Year 9 Knowledge Organiser

Autumn Term 2021/22

Name:

Form:



Contents Page

Page	Content
3	Instructions
4 – 5	How to Self-test
6-7	Homework log and parental check
8 – 9	Reading log
10 – 11	Art
12 – 13	Citizenship
14 – 15	Computing
16 – 17	Dance
18 – 19	Drama
20 – 21	English
22 – 27	Food Preparation and Nutrition
28 – 31	French
32 – 33	Geography
34 – 37	German
38 – 39	History
40 - 41	Mathematics
42 – 43	Music
44 – 45	PE
46 - 49	Religious Studies
50 – 51	Science – Biology
52 – 53	Science – Chemistry
54 – 55	Science - Physics
56 – 57	Spanish
58 – 65	Technology
66 - 67	Note pages

Every school day, you should study 1 to 2 subjects from your knowledge organiser for homework lasting at least 1 hour in total.

On pages 6 and 7 there is space for you to record the subjects you have studied to make sure you are giving equal time to all of them. Your parent should sign off your homework each evening on these pages.

Your parent should also sign your reading log on pages 8 and 9.

You can use the note pages in this booklet to help with your studies.

You need to bring your Knowledge Organiser to school every day. It will be checked regularly during form time.

You will be regularly tested on knowledge contained in this booklet in your lessons and through quizzes on Show My Homework.

Self- testing

You can use your Knowledge Organiser in a number of different ways but you should not just copy from the organiser. Use the following tips and guidance to help you get the most out of learning and revising your subject knowledge.

These are some possible tasks you could try:

- Ask someone to write questions for you
- Write your own challenging questions, leave them overnight and try answering them the next day
- Create mind maps
- Create flash cards
- Put the key words into new sentences
- Look, write, cover and check
- Write a mnemonic

- Use the 'clock' template to divide the information into smaller sections
- Give yourself a spelling test
- Give yourself a definition test
- Draw images and annotate/label them with extra information
- Do further research on the topic
- Create fact files
- Create flowcharts
- Draw diagrams

How to self- test with the knowledge organiser

The Knowledge Organisers are designed to help you learn a wide range of knowledge, which will, in turn, mean you are more prepared for your lessons and make even better progress.

To get the most out of your Knowledge Organiser you should be learning sections and then self-testing.

Look, Cover, Write, Check, Correct

This should be familiar to you from primary school.

First	Next	Now	Finally
Look, then cover this colum	try to answer/give definition/spell	Check to see if you were right	Correct those you got wrong
Look	Write	Check	Correct
Noun	Person place or thing		
Belief	Something you believe	×	Accept true without proof

Questions/Answers, Answers/Questions

Ask a parent, carer, study partner to write you questions (or answers) and then you write the answer (or possible question that would respond to that answer). You can also write your own questions but if you do this leave it until the next day before you answer them to see what you can remember after a break.

Always remember to check and correct

Flashcards

These are a very good and simple self-testing tool.

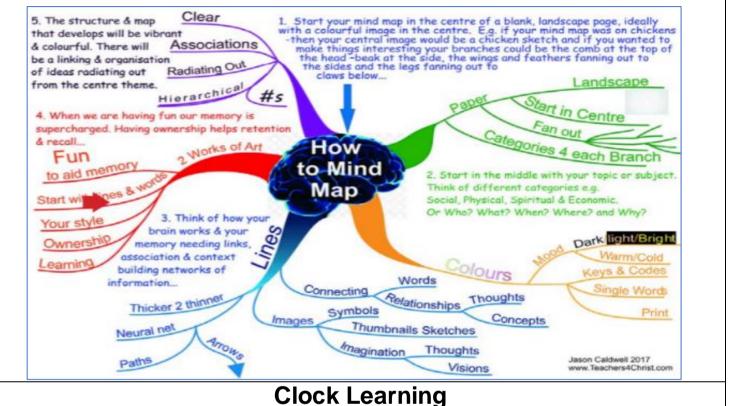
To make your own, take some card and cut into rectangles roughly 10cm x 6cm. Write the key word on one side and the definition on the other.

Then go through your cards looking at one side and seeing if you can remember the keyword/definition on the other side.

Mind Maps

Mind mapping is a process that involves a distinct combination of imagery, colour and visual-spatial arrangement. The technique maps out your thoughts using keywords that trigger associations in the brain to spark further ideas.

Once you have made your map, cover it and test yourself on different strands, e.g. how much of the 'Lines' strand can you recall.



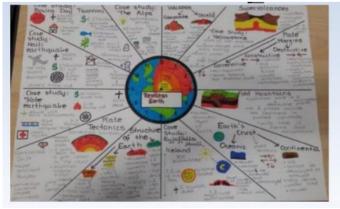
For this technique, draw a basic clock.

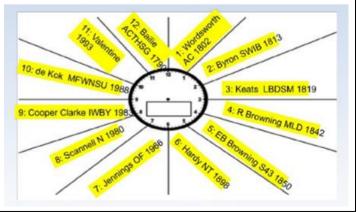
Take a subject or topic and break it down into 12 sub-categories.

Make notes in each segment of the clock. Revise each part for 5 minutes.

Now the clock over and try and write out as much information as you can from one of the segments.

Clocks can also be used to help to visualise a timeline





Homework log and parental check

Week 1	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 2	Subject 1	Subject 2	Signed
Monday			-
Tuesday			
Wednesday			
Thursday			
Friday			
Week 3	Subject 1	Subject 2	Signed
Monday			_
Tuesday			
Wednesday			
Thursday			
Friday			
Week 4	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 5	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 6	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 7	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Homework log and parental check

Week 8	Subject 1	Subject 2	Signed
Monday			-
Tuesday			
Wednesday			
Thursday			
Friday			
Week 9	Subject 1	Subject 2	Signed
Monday			-
Tuesday			
Wednesday			
Thursday			
Friday			
Week 10	Subject 1	Subject 2	Signed
Monday	· · · · · ·	-	
Tuesday			
Wednesday			
Thursday			
Friday			
Week 11	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 12	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 13	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 14	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Reading log

Use this reading log to record the books you read along with how long you have spent reading and the Accelerated Reader quizzes you have completed.

Week	Non	Tue	Wed	Thu	Fri	Sat	Sun	Book(s) read (title and author)	T otal time spent reading	Parent/Guardian /Staff signature
1										
2										
З										
4										
2										
9										
7										

Reading log

Use this reading log to record the books you read along with how long you have spent reading and the Accelerated Reader quizzes you have completed.

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Book(s) read (title and author)	T otal time spent reading	Parent/Guardian /Staff signature
œ										
6										
01										
11										
12										
13										
14										

Art – Illustra	Art – Illustrative Art – Automatic Drawing:		by surrealists as a way of expressing the developed by surrealists as a way of expressing the subconscions. In automatic drawing, the hand can move randomly and freely across the paper.
	Art Specific Langua	Language and Terms	ns
Contemporary Art	Contemporary art is the art of today, produced in the second half of the 20th century or in the 21st century.	Composition	Where you place objects / imagery on the page or in a space.
Control	How carefully you work with a specific media.	Illustrator	A person who draws or creates pictures for magazines, books, advertising, etc.
Extended Drawing	When you are given a starting point for a drawing and then complete the drawing using your own creative imagination.	Mono- chromatic	When something only contains one colour or is black and white.
Doodle	Random, thoughtless drawings on whatever topics happen to be flowing through the artist's' head.	Murals	A mural is a painting or illustration applied directly onto a wall, ceiling or other permanent surfaces.
Illustration as a form of art: An illustration is a drawing, painting or printed wo of art which explains or visually represents something or a particular story. Historically, book illustration and magazine/newspaper illustrations have been the predominant forms of this type of	Illustration as a form of artLucyAn illustration is a drawing, painting or printed workAn illustration is a drawing, painting or printed workLucyAn illustration is a drawing, painting or printed workMcLauchlan:of art which explains or visually representsLucy is an artist fromsomething or a particular story. Historically, bookLucy is an artist fromillustration and magazine/newspaper illustrationsPucy is an artist fromhave been the predominant forms of this type ofPucy is an artist from		

Automatic Drawing: A drawing technique developed

10

visual art, although illustrators have also used their advertisements, comic books, animation, greeting graphic skills in the fields of poster art, cards & cartoon-strips.

complex black and white abstract forms created by large brush strokes. The images are often of mixed media work. patterns and recently she has explored the



It takes two

Out of the circle

Grand union canal

king:
Printma
Art -
trative
- Illus
Art

Screen printing: a printing technique where a mesh or screen is used to transfer ink onto a surface, except in areas made impermeable to the ink by a blocking stencil.

Contact Printing (Cyantotypes & Chemigrams)	Cyantotypes- photographic prints created by placing objects onto cyantotype paper and exposing to UV light. Chemigrams- objects dipped into photographic chemicals and then placed onto photo paper.	Reduction Lino Printing	Producing reduction lino prints involves cutting and inking several layers from a single lino block to create a multi-coloured print.
Relief Printing	Relief printing is a printing method where a printing block or plate is created by removing/cutting away negative sections of an image or by adding layers to create a raised surface (collagraph). Ink is then applied to its surface, but not to any recessed areas and then brought into contact with paper. Pressure is applied to transfer the ink either by hand or by using a printing press.	Photo-emulsion (Screen printing)	An emulsion which is 'scooped' across the mesh of a screen and then exposed to ultra-violet light, through a film or transparency printed with the required design. This hardens the emulsion in the exposed areas but leaves the unexposed parts soft. They are then washed away using a water spray, leaving behind the desired image.

Lino Printing:

Examples of Artists that use Printmaking Techniques:

Lino printing is a form of fine art printmaking where the printing plate is cut into lino. The lino is then inked, a piece of paper placed over it, and then run through a printing press or pressure applied by hand to transfer the ink to the paper. The result is a linocut print. The advantage of this printing method is that multiple prints can be made allowing for experimentation of colour and layering of colour.



Screen printing Shepard Fairey, Eye 2009

Cyanotype Anna Atkins

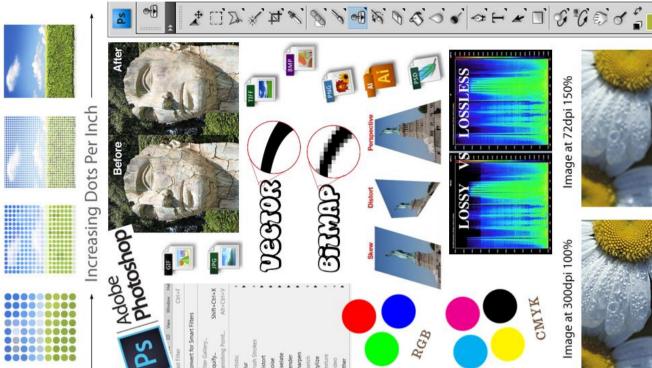


Y9 CITIZENSHIP KNOWLEDEGE ORGANISER Autumn Term	Democratic vs Undemocratic	CASE STUDY	United Kingdom North Korea Choice of candidates to Only one candidate to vote	vote for for Allowed to vote in private is seen as		Anyone can become a Only pre-approved loyal candidate people can be candidates	You have the right to choose Everyone must vote – those whether to vote or not who do not are punished		Brush up on your skills	Critical enquity - Looking into a topic in detail. Questioning different opinions and seeking to discover a range of other views. Informing apinions - Giving other people information in order to	Active Participation - Taking part by becoming involved; doing something or saying something to try and make a change or make a difference.	Making connections How can you link different topics together? Government + Parliament + MPs + Peers Legislature + Iaws + citizens Democracy + PR + FPTP Laws + Head of State + House of Lords + House of Commons Political parties + MPs + representative + democracy
HIP KNOWLEDEG	Key words	A law created by Parliament that states a General Blection must take place every five years.	A system of government based upon the consent of the people through an open and fair electoral system.	The body that makes new laws – fancy name for Parliament.	A law that has been passed in Parliament and must be followed.	A political system of government that lacks some or all of the elements that make up a democratic political system.	The voting system used in UK general elections. The person with the most votes wins a seat in Parliament, even if they only win by a single vote.	Government is formed from the winning party elected in a General Election. The winners are the cord of Londs. MPs work in the House of Londs. MPs the cords with the most	seats.		Known as the legislature Debates and discusses new laws, can also remove ald laws termove ald laws termove all laws	Includes the Queen, Government, MPs and Peers Challenges and scrutinises the government introduced 8
CITIZENS	×							made by They must Commons,	from the Monarch.	Government vs. Parliament		executive' elected to run the country At its centre is the cobinet – a group of important, senior MPs with specific roles.
79 (Fixed Term Parliament Act 2011	Democracy	Legislator	Legislation	Non-democratic	First Post the Post	Laws are r Parliament. pass through Lords and ge	41 mon		The winni general (the go	executiv nun th nun th At its o cabinet importar with sp

EGE ORGANISER Autumn Term	First Past the Post Proportional Representation	Usually produces a decisive result decisions when there is a bigger mixture of	Allows winning party to govern strongly different parties & opinions without relving on support from others	Fair & realistic representation of votes.	Rarely produces an absolute majority for	Less chance of minorry parties gaming seats in Parliament	dominance of larger parties		and the set of the set	First Past The Post (FPTP) This is a majority voling system in which the winner takes all Mamber of seals allocated roughly corresponds to number of voles received.	-	'A rule that has been approved by government and applies to all Commons Lords citizens in the UK'. This is the definition for?	What is the name for a piece of draft legislation? Elected Appointed or Elected Inherited Inherited Inherited	e in the law making process? 650 MPs Approximately 700 peers	centative democracy? Represent the Represent areas of people in their expertise constituency	
Y9 CITIZENSHIP KNOWLEDEGE ORGANISER	Command Words	Separate information into components and identify their characteristics.	Allows wir without reviews.	Investigate closely and make comment.	Set out purposes or reasons.	Support a case with evidence.	Present principal points without excessive detail.	v made? Name the political party!	the public creating carding correction on the bill, which then goes to Pollament Pollament	House of Lords The Bill is introduced and aband All Lords go through the	details of the bill	 4 debate again and vote 'A rule that has been approved by governme The bill is debated in the criticens in the UK'. This is the definition for? 	Agroup of MPs ge away and Agroup of MPs ge away and check the bit.	. There 5 vote	Comparison of the or false? We live in a representative democracy? Parlament is made up of three parts	
Y9 CII		Analyse Si	Compare	Examine	Explain	Justify Si	Summerise	How is a law made?	A bill is proposed-this is on dee that wants to become a low	House of Commons The bill is introduced and debated A group of MPs go away and	check the bill The aroun reports back. There	Is another debate and vate The bill is debated in the	All Lords go through the details of the bill	They go over the feebook, debate again and vote De they agree?	Do they opres? Royal Assent - the Queen signs the bill.	(

Computing – Photo Editing Keywords

RGB	Colour method using Red, Green and Blue. Used onscreen.	
CMYK	Colour method using Cyan, Magenta, Yellow and Black (or Key). Used for professional printing.	
Bitmap image software	The software most suitable for creating bitmap images. Such as Adobe Photoshop or Microsoft Paint.	Increase
Vector image software	The software most suitable for creating vector images. Such as Adobe Illustrator or CorelDraw.	PS Photosi of
Native file types	The file types that belong to a specific piece of software. For example PSD is a Photoshop Document.	Convert for Smart Filters
Bitmap image	Image made up of pixels.	Filter Gallery Liquity Shift-Chi+X JPG Usershow Down Alt-Chi+X
Vector image	Image made from a set of lines and shapes/objects.	
Selection	Using tools including magic wand, lasso and marque to select specific pieces of an image/layer in Photoshop.	erun Strotes Distort Distort Proster Proster
Resolution	Number of pixels in a fixed area. For example dpi - dots per inch.	Render •
Hi resolution	300dpi is classed as hi resolution. It is suitable for professional printing.	Splite Techne
Lo resolution	72dpi is classed as lo resolution. It is suitable for online images. It is adequate quality for the eye to see solid colours on screen.	Video
JPG	A common file type used for lo resolution images which uses lossy compression and produces small file sizes.	Stew
TIFF	A common file type used for hi resolution images which uses lossless compression and is able to be saved with layers.	RGB
Transform	Using the transform tools to transform, part or an entire image in ways that include scale, distortion, rotation etc.	
Compression	The process of reducing the file size.	
Lossy	Permanently removes data such as duplicated data elements. For example jpeg.	
Lossless	Removes data from image but restores it when file is opened using an algorithm. For example .tif.	CMYK
Filters	A range of filter effects that can be used on part or an entire image, such as water colour, neon glow, blur etc.	Image at 300dpi 100%
Layers	The separate parts of an image that can be edited separately. It also allows for layer styles to be applied to independent layers.	
Colour Adjustments	The methods used to change the colours in an image. There are a range used for different purposes, including levels, hue/saturation and selective colours.	
Retouching	Tools used to retouch or change an image. Such as the clone or healing brush tool.	Using the correct image resolutions will ensure you get the best from your images / print

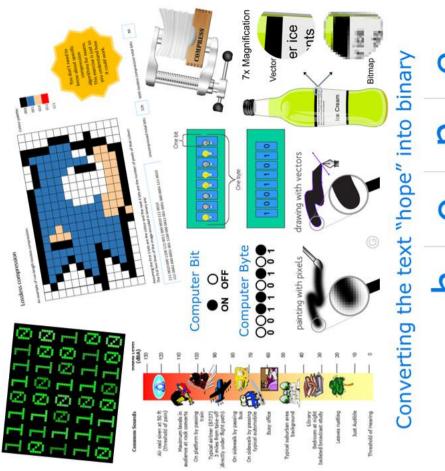


0

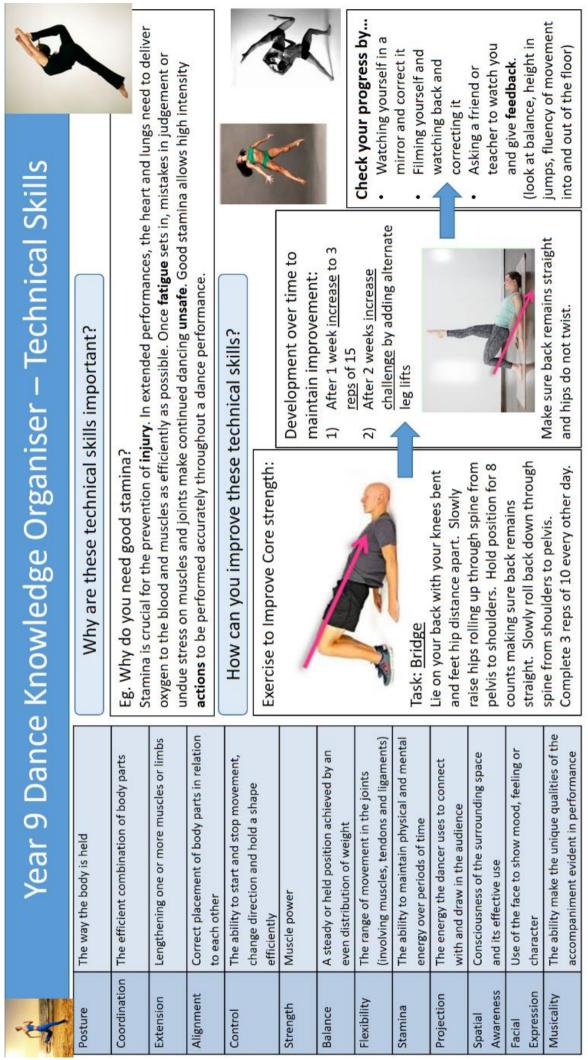
Don't ruin your design by using low quality or over scaled images they will look fuzzy

1 4 2 -È -C

Computi	Computing– Data Representation Keywords
Bit	Binary integer For example 1 or 0
Binary	Base 2 number system using only 1's and 0;s
Character set	Alphanumeric characters and symbols that a computer can recognise Character set from binary codes
ASCII	7 bit binary representation of 128 characters
Unicode	32 bit binary representation of characters from major languages
Bitmap image	Image made up of coloured pixels
Vector image	Image made from a set of lines and shapes
Colour depth	Number of bits used per pixel in an electronic image
Resolution	Number of pixels in a fixed area. For example dpi_ dots per inch
Analogue	Continually changing data that cannot be directly processed by a computer. For example a sound wave
Sampling	Reading and storing sound waves at set intervals
Metadata	Information about the image such as size, date created, author .
Bitdepth	Number of bits available for each sample
Sample rate	Number of samples a second
Compression	The process of reducing the file size
Lossy	Permanently removes data such as duplicated data elements For example .mp3, .jpeg
Lossless	Removes data from file but restores it when file is opened using an algorithm For example .flac, .png
RLE	Run Length Encoding. Stores a data value and count as a method of Lossless compression For example Blue 3 means 3 pixels in blue



	U	101	A REAL PROPERTY OF THE PROPERT
	d	112	ternan
AL HUDE	0	111	
	4	104	THE DESIGN OF TH
רחוו אבו רוווא רווב רבער	Characters:	ASCII Values:	



Year 9 Dance Knowledge Organiser – Safe Practice

Remember

(Her Majesty Just Bought Five Cats!)

- Tie Hair back
- Wear clothes that Move with you
- Do not wear Jewellery
- Do not wear any Baggy clothes that you can get caught up in
 - Ensure appropriate Footwear is worn
- Close fitting clothes to see the lines of the dancer

Nutrition

- Carbohydrate and fat: provide energy
 - Protein: muscle growth and repair
- Vitamins & Minerals: the immune system requires an assortment of vitamins and minerals from Vitamin A through to Zinc.

Hydration

- Helps prevent build-up of lactic acid
- Helps to avoid cramps
- Keeps muscles working at optimum
- Helps to prevent potential dizziness

What happens in a warm-up? (Put Every Naughty Teenage Boy In Jail)

- Pulse is raised
- Muscles become more Elastic
- Nerve messages from the brain to the limbs speed up
 - Internal body Temperature is raised
- Increase of Blood flow to the muscles
- Reduce the risk of Injury
- Joints are mobilised

As a rule, dancers are advised that their overall diet should take at least 50-65% of its energy from carbohydrate; around 12-15% should come from protein; and less than 20-35% from fat.



Why cool down? (Blue Peter Was Pretty Hilarious Really)

- Prevent Blood Pooling in the muscles which can make you feel dizzy due to the reduced blood supply to the brain
 Prevent the build up of Waste Products
- in the muscles (e.g. lactic acid) which helps to prevent muscle stiffness and soreness
- Allow the Heart Rate to gradually return to normal



JUE Using Your Voice	ry Definition	Speaking in a high, low or natural voice.	The speed at which someone speaks, e.g. the speed of response in an argument.		what is being spoken. Intonation helps us to express what we mean.		You might be considering the audibility (can we hear it) but you're	more likely to be thinking about the effect of a loud, powerful voice or a quiet, nervous or sad voice.	A dramatic pause at a crucial	moment could communicate meaning.	This suggests your mood and your intention towards the listener. e.g. hanny or irritable.		Your character may be from a different part of the UK or another country.
Ő	Vocabulary	Pitch	Pace	Intonation			Volume		Pause		Tone		Accent
Script Work Duologue		 Learning Lines Strategies Write your lines out Run lines with someone Look Cover Write Check 	 Use line learner apps Record your lines and listen back Learn your cue lines 		 Skills Learnt Annotate text Interpreting text 	 Exploring a plays context Create and communicate 	Realising artistic intention in text-		Now you have learnt the skills, apply the knowledge. Can you	 answer these questions? How would you annotate and perform duologues? 	 How can you apply interpretations and intentions to scripts? How would you use a range of 	drama elements when creating?	 How do you research and demonstrate contextual elements of a script?
	Definition	A speech presented by two characters in a performance, often used to explore/develop relationships.	A particular way of performing a part in a play	Something that you want and plan to do in a play	Original and creative approach	Theatre that attempts to create an illusion of reality though a range of dramatic and	theatrical strategies.	Scripts from different time periods such as Greek, Elizabethan or Victorian.	Non-naturalistic, performed in a particular manner or with emphasis on one element.	Drama technique where performers communicate their characters in a physical	way (body language, movement, facial expression & gesture).	An approach to acting that aims for a unified	effect, achieved by members of the cast working together on behalf of the play, rather than emphasising individual performances.
Key Vocabulary	Vocabulary	Duologue	Interpretatio n	Intention	Innovative	Naturalistic		Period	Stylised	Physicalise		Ensemble	

Artaud 1896-1948 & Surrealism

What other theatre practitioner was around in this period? Hint- He was German

Artaud was a French dramatist, poet, essayist, actor, and theatre director, theatre and the European avant-garde. He influenced many of Salvador widely recognised as one of the major figures of twentieth- century Dali's art works

https://www.bl.uk/20t h-centuryliterature/articles/anto nin-artaud-and-thetheatre-of-cruelty

Wider reading:

Artaud's Theory

- Artaud saw both the world around him and the theatre, itself, in need of change
 - He was influenced by Surrealism and at one time was a member of the movement
- His theatre set to awaken the dormant dream images of our minds
- His theoretical essays were published (during his
 - Infetime) in 1938: 'The Theatre and Its Double'
 Artaud attempted to appeal to the irrational mind,
 - one not conditioned by society
 There was an appeal to the subconscious,
- There was an appear to the subconscious, freeing the audience from their negativity
 His theatre could not communicate using spoken
 - language (primary tool of rational thought)
- His was a return to a theatre of myth and ritual
- The Theatre of Cruelty was an enhanced double of real life. He claimed if the theatre is the double of life, then life is the double of theatre
 - Artaud's theatre aimed to appeal to and release the emotions of the audience
 - By bombarding the audience's senses, they underwent an emotional release (catharsis)

Movement & Gesture

- Artaud was inspired by a performance of Balinese dancers in 1931 (use of gesture and
 - Artaud wished to create a new (largely
- non-verbal) language for the theatre
 Ritualistic movement was a key element (often
 - Performers communicated some of their
 - stories through 'signs'
- 'Signs' in the 'Theatre of Cruelty' were facial expression and movement
 - Stylised movement was known as 'visual poetry'

Space & Actor/Audience Relationship Artaud experimented with the actor-audience

- relationship

 Relationships between the actor and audience in the
- Theatre of Cruelty' were intimate • A preference for actors to perform around the audience
 - in the centre (rectangle/ring/boundary)
 He attempted to reduce or eliminate the special space
 - set aside for the actors (the stage)
 Performers placed in four corners / on four sides of the space
- The audience was therefore placed in a weaker, less powerful position (encircled by actors)
- The audience was often seated on swivel chairs (easily swinging around to follow the action)
 - Galleries and catwalks enable the performers to look down on the audience (trapping them)

Definition	The uncontrollable outperforming of strong emotion	A 20th-century avant-garde movement in art and literature which sought to release the creative potential of the unconscious mind, for example by the irrational juxtaposition of images.	"A primitive ceremonial experience intended to liberate the human subconscious and reveal man to himself". The theatre of cruelty called for a "communion between actor and audience in a magic exorcism; gestures, sounds, unusual scenery, and lighting combine to form a language, superior to words, that can be used to subvert thought and logic and to shock the spectator into seeing the baseness of his world."
	The	A 20 the juxta	"A I and betv betv scer usec base
Vocabulary	Catharsis	Surrealism:	Theatre of Cruelty

Year 9, Autumn Term: Representation

Core Text: Extracts from Othello and other plays by Shakespeare

as our view is framed by context and culture. This means that representation does not offer a make conscious and unconscious choices. There are many different ways of seeing the world Representation is the depiction of a thing, person or idea. In representing the world, writers definitive view of reality, but, instead, each representation offers a different construction of the world and of experience in it.



Vocabulary

- ary Representation
- Representation is influenced by context.
- A writer's representation of a group may or may not reflect their own context or perspective.
- Representations may or may not be authentic.

representation

perception

derogatory

- Representations can draw on or challenge stereotypes.
- It is important for the reader to be aware that our own perspective and response can be influenced by the writer's representation of a group.
- Characterisation is a method of representation.

Representation in Shakespeare

stereotypical

prejudice

media



linear argument

semicolon

blank verse

hamartia

hyperbole

tragic hero

authentic
 otherness

Shakespeare's representation of 'otherness' reflects the social context and ideologies of Elizabethan/Jacobean England.

Reading

- You need to understand the impact of Shakespeare's use of language, verse, and dramatic devices. Make sure you have notes on each of these.
- You need to know some vocabulary for comparison.

Draw up your own list of comparative words.



influence

1		

How to write a comparative essay about representation of 'otherness' across two of Shakespeare's plays

- a. include a thesis statement: an overarching statement, identifying whether the representation is similar or different across the two plays, linking to context
- b. use topic sentences
- c. support with embedded quotations
- d. analyse the writer's methods
- e. use your comparative vocabulary
- f. finish with a conclusion that links back to the thesis

Identify features a-e in the example below:

Across both 'Othello' and 'The Merchant of Venice', Shakespeare encapsulates common responses of the time towards 'the other'. Despite this, we are presented with two characters—Othello and Shylock—who, at times, challenge society's perceptions In Act I, Scene 3 of 'Othello', Shakespeare represents 'otherness' as something to be feared and distrusted. Unable to accept that his daughter would willingly marry 'the Moor', Brabantio accuses Othello of using 'foul charms' and placing Desdemona in 'chains of magic'. The characterisation of Brabantio highlights the Elizabethan belief that Moors were heathens who practised witchcraft. The metaphor 'chains of magic' connotes imprisonment, affirming that Brabantio believes Desdemona to a be a victim of Othello's supposed witchcraft. We can see a similar representation in Act III, Scene 3 of 'The Merchant of Venice', when, on noticing Shylock, Salanio claims that the 'devil' has adopted the 'likeness of a Jew'. ...

Writing

- the purpose
- the audience
 the form

- A structure to express a developing argument: • title to suggest viewpoint
- logical and linear development + supported points
- inclusion of alternative views in order to refute them
- offer a solution/challenge to the problem
- concluding paragraph directing the reader/encapsulating writer's opinion

Rhetorical devices and language choices to effectively convey argument • first person singular and plural (I and we)

- occasional use of the second person (you)
- rhetorical questions
- evidence (facts, statistics, examples)
- expression of opinion in a factual manner
- use of metaphor
- ♦ triple
- exclamatory sentences
- ◆ complex sentences—fronted subordinate clause used to aid the logic of the argument

Remember: you must consider the impact of these choices.

Preparing to write your article

- Draw on various sources for ideas to support your argument
- Plan: consider the structure of your argument
- Use your toolkit of techniques/grammar

Topic 1: Food Allergies and Intolerances

An allergen is a substance or food that may cause an allergic reaction. Some food allergies are mild but others can be serious if the correct treatment is not given quickly. People severe reaction need an injection of adrenaline from an Epipen because they can stop breathing.

There are 14 common food allergens and information for must be highlighted in bold in the main ingredients list on the back food packaging.

A food intolerances are more common and symptoms such as diarrhoea, bloating and weight loss are noticeable a short time after someone has eaten the food they are intolerant to.

Lactose intolerance is one of the most common with people not able to lactose which is the natural sugar in milk and other dairy products.

Gluten intolerance happens when someone is intolerant to gluten which is the natural protein found in wheat flour and other cereals such as rye and barley. About 1 in a 100 people suffer from coeliac disease which is a more serious intolerance to gluten. Their body attacks the healthy tissues in the body by mistake.

To prevent people consuming food they are allergic or intolerant to, there are strict laws about how food is made in factories or prepared in restaurants to prevent crosscontamination.

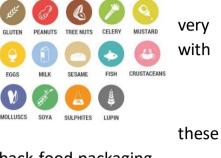
Some manufacturers might choose to dedicate a production line or equipment to products that are free from particular allergens e.g. nut or wheat free. These production lines could still be used to make a number of different products as long as they do not contain that particular allergen.

In restaurants, allergens need to be clearly shown on menu. Most restaurants will provide more information about how they separate allergen foods other foods in their kitchens. Use of specific areas of kitchen or chopping boards is common.

22



digest



23

Food Preparation and Nutrition

Topic 2: Healthy Eating – Micronutrients and Water

We need food for growth and repair of cells, energy, warmth, protection from illnesses and keep our bodies working properly.

Food is made of 5 nutrients. Each nutrient does a different the body. Eating a balanced diet means we get all the nutrients we need for a long and healthy life.

Some of these nutrients you need in large amounts (protein, carbohydrates and fats) – these are called macronutrients. Some of these nutrients we need in small (vitamins and minerals) – these are called micronutrients.

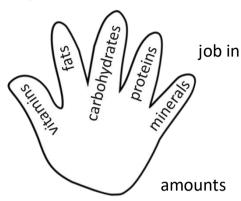
Vitamins A, D, E and K are fat soluble and can be stored by the body in our body fat. A fat soluble example is **Vitamin A** which is needed for healthy eyesight, healthy skin and a healthy immune system. Its antioxidant properties also help to protect the body from cancer and cardiovascular disease (CVD)

Vitamins B and C are water soluble and need to be consumed every day because they cannot be stored by the body. A water soluble example is **Vitamin B12** which is needed to help release energy from foods such as carbohydrates and to help the nervous system function normally. It is also needed to form red blood cells.

You also need minerals such as calcium and iron, for example **Calcium** is needed for bone density and to maintain healthy, strong teeth and **Iron** is needed to make red blood cells which transport oxygen around the body.

Water is not a nutrient but it is required for life. You need to stay because your body is 70% water and you need to replace water you breathe, sweat or urinate. Water is needed to cool the body, and to digest and transport nutrients around the body. It is that you drink 6-8 glasses of water a day.

hydrated you lose when remove waste recommended







Topic 3: Food Choice

There are many factors that influence food choice.

Healthy eating – a range of reduced fat, sugar-free and lowcalorie foods are now available because people are more aware of the link between health and eating a balanced diet.

Religion and culture – many faiths have specific rules regarding food, for example, Jews do not eat shellfish or pork.

Special occasions – food can play a vital role in celebrations, religious festivals and special occasions, for example eating cake on your birthday or turkey at Christmas.

Media – food trends are always emerging and food advertising can persuade people to try new products. Teenagers might be influenced by the media or their friends (peer pressure).

Availability – most of our food is available all year round but some food are seasonal, such as soft fruits, which are only available in summer months if grown in the UK.

Medical - people with allergies and intolerances are not able to eat some foods because they cause severe reactions or unpleasant symptoms. Some people should also adapt their diet due to medical conditions such high blood pressure (low salt), diabetes (low sugar) and coronary heart disease (low fat).

Moral beliefs – people become vegetarian because they are opposed to killing animals for food. Choosing to eat only organic, Fairtrade or free range products is also becoming more popular. Organic foods are produced without any chemicals. Fairtrade foods are grown by people who receive a good deal for their produce. Free range farming is when animals are allowed to roam outside during the day rather than being kept indoors in large numbers (intensive farming).

Cost – the foods we choose to eat and places we buy food may be affected by how much money we have or how much we want to spend to food.









Topic 4: Traditional British Cuisine

Cuisine is a style of food specific to a country or region. Cuisines develop over time using distinctive ingredients, specific preparation and cooking methods or special equipment. There might also be traditional ways of serving and presenting food.



The staple foods of Britain are based on ingredients grown, reared and caught:

Foods grown in Britain – vegetables such as potatoes, onions and leeks grow well on UK farms. Fruits such as apples, plums and rhubarb also thrive. Herbs commonly used to flavour British food include mint, chives and sage.

Food reared in Britain – beef, lamb, poultry and game, pork, bacon and ham are popular. Dairy products, like cheese, butter, cream and yoghurt, are also made using the milk from dairy farms.

Food caught in Britain – as an Island nation, Britain has access to a wide range of seafood from white and oily fish to seafood such as crabs and lobsters.

From these ingredients, British people have developed a number of sweet and savoury

dishes. Many of the savoury dishes incorporate a combination of meat and vegetables. Many of the desserts include milk, butter, eggs and sugar in combination with fresh fruit.

A national survey of British people identified the most popular British dishes. They included roast dinners, fish and chips, full English breakfasts, fruit crumbles, trifles and custard.

Cooking methods frequently used in Britain include roasting, casseroling, baking and steaming.



Most British people adopt the eating pattern of three meals a day – breakfast, lunch and dinner. Afternoon tea has also become popular again as an occasional treat. It consists of a mid-afternoon snack consisting of small sandwiches, a slice of cake and cup of tea.

As more people from other countries come to live in Britain, and there are greater opportunities to travel, our eating habits have changed. Many traditional dishes are being replaced by ones originating in other countries.

Topic 5: International Cuisine

British people are now more adventurous with their food choice and will regularly eat food originating in other countries. Some examples of these are:

Italian Cuisine – family and food is very important to Italians – with recipes being passed down the generations through mothers and grandmothers. Italian flavours are simple and they often use seasonal local ingredients that are homegrown or purchased in markets. Traditional dishes include pasta, pizza and risotto. Bread is freshly baked and a rainbow of fresh vegetables and salads are regularly served as accompaniments. Healthy olive oil is used instead of animal fats. Desserts include ice-cream and tiramisu (Italian trifle).



Italians take a huge amount of pleasure in food and enjoy social or family occasions where food can be shared.



Chinese Cuisine – Chinese food is often quick to make, with an emphasis on colour, flavour and texture. Much of the food is stir-fried in a wok or steamed in a bamboo steamer – both healthy ways of cooking. In a very traditional Chinese kitchen there is no oven. Traditional dishes include spring rolls, crispy duck, soups and broths, sweet and sour noodles and fried rice. Chinese food often uses aromatic spices such as ginger to flavour food. At meal times, the Chinese family will have four or five dishes at the same time and each person will have a small bowl with rice in it. Food is eaten with

chopsticks. The traditional drink with a meal is green tea which is served without milk. The Chinese present their food beautifully with carved vegetables.

Indian Food – entertaining in the home is very popular in India with all the dishes placed on the table at once and shared. Many spices and herbs are blended or ground together to make Indian food – although most dishes are spicy and mild rather than overly hot. Traditional dishes include tandoori meat and fish (cooked in a clay oven), curries, samosas, bhajis and dahls (made with lentils). Main meals are served with traditional breads (naan, chapatti, poppadoms) or



basmati rice. Desserts are not often served every day but are used for special occasions, for example sweets served for the festival of Diwali.

Topic 6: Consumer Awareness

Consumers can be defined as "a person who purchases goods and services for personal use". People are consumers on a daily basis. On your way to school you may use the bus and then buy a snack at break time – you are a consumer.

Food is always in the news and sometimes consumers are confused about what to buy and eat. To be an effective consumer you need to know your rights and responsibilities and know how to get advice on issues if you are not satisfied with the food you buy.

It is important that consumers know how to manage their resources effectively when choosing, shopping for, preparing and

storing food. Consumers have a wide range of options when shopping for food. There are advantages and disadvantages for them all, it is therefore important for consumers to decide which is the most suitable for them, for example going to a big supermarket or shopping in a corner shop.

To make good use of time, energy, and money when choosing food consider the following: Meal planning – thinking ahead will reduce the number and amount of time needed for



shopping; Ingredients – try and choose ingredients that will save time and money; Seasonality – choose seasonal and local foods; Value for money – compare the cost of fresh and pre-prepared ingredients.

Consumers should avoid wasting food. Every year in the UK, seven to ten million tons of food are wasted. It is thought that approximately 50% of the food wasted is still edible. The cost of food waste is significant – estimates show that it costs an average family £700 per year. Using leftovers can save money and is good for the environment.

Food labelling is important to help us to decide which food buy, how to store and cook food correctly and to be aware of the nutritional content of food. Some food labelling is required

by law. 'Use by' and 'best before' dates are there for food safety reasons and to help use up food before it spoils. Labels on food must contain precise and accurate information about the nutrients in food. Fat, saturated fat, salt and sugar are labelled as either green, amber or red. When deciding what to eat, look at the label and try to choose foods that have more green and amber and less red.

Each serving (150g) contains

Energy 1046kJ	3.0g	Saturates 1.3g	Sugars 34g	Salt 0.9g
250kcal	LOW	LOW	HIGH	MED
13%	4%	7%	38%	15%

of an adult's reference intake Typical values (as sold) per 100g: 697kJ/ 167kcal

Year 9 - French - Dynamo 3 Vert - Autumn Term 1

Activités	activities	Amis pour toujours!	Friends for ever!
J'adore	l love	Je suis	lam
J'aime	l like	Mon meilleur ami est	My best friend is
J'aime beaucoup	I like a lot	Ma meilleure amie est	My best friend is
Je n'aime pas	I don't like	grand(e).	tall.
Je déteste	I hate	petit(e).	small.
le cinéma.	cinema.	de taille moyenne.	medium-sized.
le sport.	sport.	de unie moyenne.	medium sized.
la lecture.	reading.	J'ai les yeux	I have eyes.
la musique.	music.	II / Elle a les yeux	He / She has eyes.
la télé.	TV.	bleus / gris.	blue / grey
les animaux.	animals.	marron / verts.	brown / green
les jeux vidéo.	video games.	Rei les eksisisis	a second a second a second second
C'est	lt's	J'ai les cheveux	I have hair.
amusant.	fun.	II / Elle a les cheveux	He / She has hair.
génial	great.	blonds / bruns.	blond / brown
intéressant.	interesting.	noirs / roux.	black / red
ennuyeux.	boring.	courts / longs / mi-longs.	short / long / medium-length
nul.	rubbish.	bouclés / raides.	curly / straight.
J'aime I like		II / Elle porte des lunettes.	He / She wears glasses.
Je n'aime pas I don	't like	Je m'entends bien avec	I get on well with
aller au cinéma.	going to the cinema.	Je me dispute avec	I argue with
danser.	dancing.	parce qu'il / elle est	because he / she is
écouter du R'n'B.	listening to R'n'B.	arrogant(e).	
jouer au basket.	playing basketball.		arrogant.
nager.	swimming.	impatient(e).	impatient.
regarder des coméd		drôle.	funny.
surfer sur Internet.	surfing the internet.	égoïste.	selfish.
tchatter	faire du judo.	sympa.	nice.
prendre des selfies.		timide.	shy.
prendre des senies.	taking semes.		photo there is / are
		au centre in the	
Ou'est-ce que tu fais comm	e activités extra-scolaires ?	à droite on the	right
	fter school activities do you do ?	à gauche on the	left
Je chante dans la chorale.	I sing in the choir.		
Je joue au badminton.	I play badminton.	Quand as-tu fêté ton anniver	saire?
Je joue du violon dans l'orche		When did	you celebrate your birthday?
Se joue du violon dans roiche	I play violin in the orchestra.	J'ai regardé mes messages	I looked at my messages.
Je fais du théâtre.	I do drama.	J'ai mangé du gâteau d'annive	
Je fais de la gymnastique.	I do gymnastics.	J'ai joué au laser tag.	I played laser tag.
Je vais au club de danse.	I go to the dance club.	J'ai dansé.	I danced.
Je vais au club d'informatique		J'ai bu du coca.	I drank cola.
	don't do anything / I do nothing.	J'ai fait une fête d'anniversaire	
Je fais ça	I do that	J'ai ouvert mes cadeaux.	l opened my presents.
le lundi / le mardi.	on Mondays / on Tuesdays		I went to the cinema.
après les cours.	after lessons.	Je suis allé(e) au cinéma.	
à midi.	at lunchtime.	J'ai fait une soirée pyjama.	I had a sleepover.
avec mon copain / ma copine		C'était	It was
avec mes ami(e)s.	with my friends.	amusant / génial. hyper-cool.	fun / great. really cool.
avec mon équipe.	with my team.	marrant / sympa.	funny / nice.
		manant / sympa.	Turiny / nice.
Output as much as fall 0	Mittant did ware da 0	in the first set of	a shid (duas
Qu'est-ce que tu as fait ?	What did you do ?	une jupe / une robe	
Qu'est-ce que tu as fait le we		une veste	a blazer
l'ai mangé au restaurant	What did you do last weekend?	bleu(e) / noir(e) / vert(e) / gris(e)	
J'ai mangé au restaurant.	l ate in a restaurant.		een / grey / white / purple
Je suis allé(e) à un concert.	I went to a concert.	rouge / jaune / rose / orange / m	
Je suis allé(e) à une fête.	I went to a party.		nk / orange / brown
Je suis allé(e) au marriage de		des baskets / des bottes / des cl	
Outest se que tu se petté?	I went to my cousin's wedding.	blouce / pairse / vertes / grisse /	trainers / boots / shoes.
Qu'est-ce que tu as porté?	What did you wear?	bleues / noires / vertes / grises /	
J'ai porté	I wore		een / grey / white / purple
un blouson /. un jogging	a jacket / tracksuit.	rouges / jaunes / roses / orange	
un pull / un tee-shirt	a jumper / tee-shirt.		nk / orange / brown
un sweat à capuche	a hoodie. Normalement.	, le weekend, je porte Normali	v at the weekend I wear
un jean / un pantalon une casquette / une chemise.	jeans / trousers. Ceper	ndant, le weekend demier, j'ai port However, last weekend,	é

However, last weekend, I wore

une casquette / une chemise ... a ... cap / shirt.

Year 9 - French - Dynamo 3 Vert - Autumn Term 2

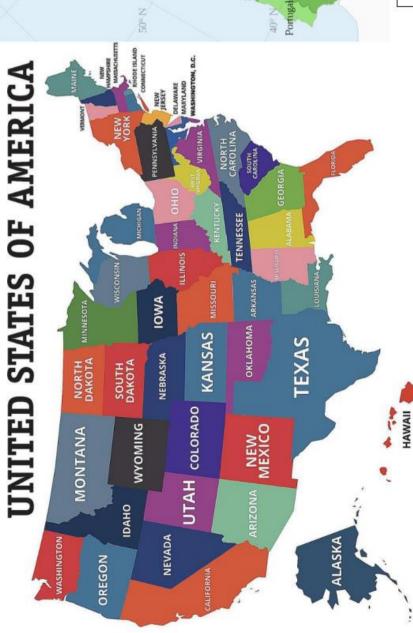
Argent de poche	Pocket money	Qu'est-ce que tu vas fair	re à l'ave	nir ?
Pour gagner de l'argent,	to earn money	A CONTRACT CONTRACT OF A	What an	re you going to do in the futur
on peut / je dois	you can / I must	Je vais habiter	I am goi	ing to live
aider à la maison.	help at home.	à l'étranger.		abroad.
aider les voisins.	help the neighbours.	Je vais acheter		ng to buy
		une grande mais		a big house.
trouver un petit boulot.	find a part-time job.	une Ferrari rouge	e.	a red Ferrari.
faire du babysitting.	do babysitting.	Je vais être célèbre.		I am going to be
Qu'est-ce que tu fais pour gag	ner de l'argent ?	heureuxheureus		famous. happy.
	(in order) to earn money ?	Je vais avoir	50.	I am going to have
Contraction of the second s		cing enfants.		five children.
Je lave la voiture.	I wash the car.	Je vais aller		I am going to go
	look after my little brother.	à New York.		to New York.
	look after my little sister.	en Chine.		to China.
Je range ma chambre.	I tidy my room.	Je vais faire du travail bér	névole.	I am going to do voluntary work
Je travaille dans un café.	I work in a café.	à l'avenir		in the future
Je travaille à la boulangerie.	I work at the bakery.	dans dix ans		in 10 years
Je fais la cuisine.	I do the cooking.	dans vingt-cinq ans		in 25 years
Je gagne 8 euros par semaine	e / nar mois	Ce sera		It will be
	8 euros a week / a month.	cool / fantastique	8.	cool / fantastic.
1 curr			-r.	
Qu'est-ce que tu veux faire	comme métier?	Au travail, les robots!		Robots at work
	do you want to do?	Qu'est-ce que tu as fait		What did you do yesterday?
je veux être	I want to be a	J'ai gardé les enfants.		I look after the children.
je ne veux pas être	I don't want to be a	J'ai joué aux jeux vidéo	b .	I played video games.
A CONTRACTOR OF A CONTRACTOR O		J'ai préparé les repas.		I prepared meals.
scientifique.	scientist	J'ai rangé les chambre	S.	I tidied the bedrooms.
pilote.	pilot	J'ai travaillé dans le jar		I worked in the garden.
ingénieur(e).	engineer	J'ai fait la vaisselle.		I did the washing-up.
danseur / danseuse.	dancer	J'ai bu un café.		I drank a coffee.
acteur / actrice.	actor / actress.	Je suis allé(e) au super	rmarché.	
		Je suis resté(e) à la ma		I stayed at home.
dessinateur / dessinatrice.	designer.			
instituteur / institutrice	primary school teacher	Je n'ai pas aide à la ma		I didn't help at home.
professeur teach	er (secondary and beyond)	Je n'ai pas regardé la t		I didn't watch TV.
infimier / infimière	nurse	Je ne suis pas allé(e) a	u superr	
policier / policière	police officer	day see		I didn't go to the supermark
mécanicien / mécanicienne	mechanic	hier	yesterd	
		d'abord	first of a	all
musicien / musicienne	musician	ensuite	then	
architecte	architect	après	afterwa	NUT CONTRACTOR
vétérinaire	vet	l'après-midi		afternoon
		cependant	howeve	er
C'est	It is	C'était	it was	-
créatif / dangereux / ennuyeux	x / fatigant / passionnant /			
pratique / varié / bien payé.		Des ados entreprena	ants	Enterprising teenager
creative / dangerous / boring /	/ tiring / exciting / practical	Je m'appelle	My nan	
/varied / well paid.		J'ai quatorze ans.		urteen years old.
		J'habite	I like	
Je veux	I want	J'adore	I love	
travailler seul(e).	to work on my own.	J'ai une chaîne YouTut		7 0
	Contraction of the second s	o ar une chame rouru		a YouTube channel about
travailler en équipe.	to work in a team.	Je poste des vidéos su		I post videos about
travailler avec des enfants / a	nimaux.	J'ai plus de abonnés		I have more than subscrit
to wo	ork with children / animals.	Nous faisons une video		
aider les autres.	to help others.	Je fais		/ am making
		des bracelets.		bracelets.
Strategy		des gâteaux.		cakes.
	12 A. A. A.		I grow	am growing vegetables.
Look out for patterns when yo		J'ai un blog.	I have a	
They can help you decode wo	ords and remember	Je vends mes produits.		I sell / am selling my produc
spelling.		en ligne / au collège.		online / at school.
- Lots of job titles end in -eur	in the masculine form e.c.			and the second
 Lots of job titles end in -eur ingénieur – engineer / di 		Qu'est-ce que tu fais pour ga Qu'est-ce que tu fais à la ma	agner de l'a	rgent? What do you do to eam mo
		Ou est-ce que tu tais a la ma	neon pour ç	gagner de l'argent? What do you do at home to earn mo
ant on the end of an adjection		Qu'est-ce que tu veux faire c	omme mét	
corresponde to inc in Facilie				
corresponds to -ing in English passionnant - excitir		Pourquoi? Qu'est-ce que tu vas faire à l		Why? What are you going to do in the fut

Tu es allé(e)	Where did	Tu es où en	Where are y		Qu'est-ce que tu as	Wha	What did you	C'était	How was	vas
où?	you go?	vacances ?	holiday?		visité?		visit?	comment	0.	
Je suis allé(e)	I went to	Je suis	I am	J'ai visité	ité	I visited	d	C'était	It was	:
Nous sommes	We went	Nous sommes	We are	Nous a	Nous avons visité	We visited	ited	amusant	fun/funny	'n
allé(e)s	to	au bord de la mer	by the seaside	le le château	au	the castle	stle	génial !	great	
en Allemagne	Germany	à la montagne	in the mountains	ains le lac		the lake	9	ennuyeux	boring	
en Espagne	Spain	à la campagne	in the countryside	yside le musée	Ð	the museum	seum	cool	cool	
an France	France	en colo (colonie de	at a holiday camp	camp le parc		the park	¥	sympa	nice	
	anima i	vacances)		le stade		the stadium	dium	intéressant	t interesting	ing
en Grèce	Greece	chez mes grands-	At my	la cathédrale	drale	the cathedral	hedral	nul		D
en Italie	Italy	parents	grandparents		uée	the mosque	enbs	Ce n'était	It wasn't	*
au Maroc	Morocco		home	la chocolaterie	olaterie	the cho	the chocolate shop	pas mal	bad	
au Mexique	Mexico	Qu'est-ce que tu as fait?		What did you do?	Qualifiers	IS	The ner	The norfeet tense with ÊTDE	with ÊTI	u
au Portugal	Portugal	Pendant les vacances		During the holidavs			Ind ALL	IACL LEILSE		u
aux États-Unis	NSA	J'ai joué au tennis/au foot		played tennis/football	-	a bit	Some verbs	Some verbs use the verb ETRE in the perfect tense. One example is AITER the	ETRE In the	et a
Proneitione	aitione	J'ai mangé des glaces		ate ice creams	10000	aunh	verb to ap.			
indai J	SILUIS	J'ai écouté de la musique	-	listened to music	nes	Very		0 0000	a state to a	
en + feminine country	ountry	J'ai acheté des baskets	-	bought trainers	trop	too	1. EIKE,		Z. Past participle	1
au + masculine country	country	J'ai regardé un film à la télé	-	watched a film on TV	vraiment	really	present tense		(remember to add an	1
aux +plural country	try	J'ai nagé dans la mer	-	swam in the sea	_			s for phirals)	irals)	DUP
a + city name		J'ai retrouvé mes amis	-	met my friends	Sequencers	ers	la enie	alla/alla	1 went	
Avec qui?	Who with?	J'ai traîné à la maison	-	hung around at home	d'ahord	firet of all	Titee	allala	Volt ment	t
ma familia	mu familu	The second	A Number of Association	ALCIN .		IPI OI GII	20 01	T	M DOL	
mon collèce	Amine Amine	I ne perrec	I ne perfect tense with AVUIK	NOIK	ensuite n	next/then	Il/Elle/On est	allé(e)	He/She/We	We
uion college	my place/ochool	The perfect tense is used to say what you did or	used to say wh	hat you did or	puis t	then		+	went	
anae amilate	Classischool	have done in the past.	st.	10		after	Nous sommes	-	We went	F
	animity internal	-	ense of most v	erbs, you need:		1011	Vous êtes	allé(e)s	You went	ĩ
mes parents	my parents	1. The present t	The present tense of the verb AVOIR (to	rb AVOIR (to	finalement fi	finally	IIs/Elles sont	alló(0)S	They went	ent
	my vicuum									
Ing soon	IIIY SISUEL	Z. A past partici	A past participle (joue/mange etc.)	je etc.)	Au par	Au parc d'attractions	tions	At the	At the theme park	
Tu as voyagé	How did you	To form the past participle for regular -er verbs,	ticiple for regul	ar -er verbs,	J'ai bu un coca	-		I drank a coke	9	
comment?	travel?	remove the intitute -er ending and replace with	er ending ar	id repiace with e	J'ai vu un spectacle	stacle	Same S	I saw a show	1 10 100	
J'ai voyagé	I travelled	86a) - 1a			J'ai vu mes personnages préférés	rsonnages	préférés	I saw my favourite characters	ourite chara	cters
Nous avons	We	1. AVUIK,	2. Past		J'ai fait une balade en bateau	lade en ba	Iteau	I went on a boat ride	boat ride	
voyagé	travelled	t	+	Inte	J'ai fait tous les maneges	s maneges	10	I did all the rides	sep	
en avion	plane		t		J'ai pris des photos	notos		I took photos		
en train	train			You bought	Je n'ai pas mangé de glaces	ngé de gla	Ces	I didn't eat ice creams	a creams	
en bateau	boat	II/Elle/On a	nage H	He/She/We swam	Je n'ai pas acheté de souvenirs	teté de sou	uvenirs	I didn't buy souvenirs	ouvenirs	
en voiture	car	Nous avons	oue W	We played	Look out for irregular past participles	egular pas	it participles :			
en car	coach		écouté Yo	You listened	boire (to drink)	- bu (drank)	rank) pre	prendre (to take) - pris (took)	- pris (too	_
		IIs/Elles ont	visité Th	They visited	voir (to see)	(WES) IN -		fairs (to do)	fait Inline	

Second	Year French	Autun	nn Term	Knowl	edge Org	janiser U	nit 2: Les	Second Year French Autumn Term Knowledge Organiser Unit 2: Les fêtes – Festivals
Quelle est ta fête	What's your		The pres	The present tense		Qu'est-ce que tu vas faire 7	tu vas faire	What are
préférée ?	favourite festival?	The presen	The present tense is used to talk about what	d to talk abou	ut what			do?
Ma fête préférée	My favourite	usually hat	usually happens, or what is happening now.	it is happenir	Id now.	Je vais		I'm going to
c'est	festival is	Je danse m	Je danse means 'I dance' and 'I am dancing'	" and 'I am d	ancing'	visiter le marché de Noël	hé de Noël	visit the Christmas market
Noël	Christmas	To form the	To form the present tense of most verbs:	e of most ver	bs:	acheter des cadeaux	deaux	buy presents
Påques	Easter	1. Cho	Choose the correct subject pronoun	ct subject pro	nond	admirer les maisons illuminés	isons illuminė:	s admire the illuminations
mon anniversaire	my birthday	(je/t	(je/tu/il/elle)			écouter des chorales	orales	listen to some choirs
la Toussaint	All Saint's Day	2. Ren	Remove the -er/-ir/-re ending from the	r/-re ending 1	from the	manger une tarte flambée	rte flambée	eat a tart
le Saint-Valentin	Valentine's Day		infinitive verb.			boire un jus de pomme	pomme	drink a hot apple juice
le Nouvel An	New Year	3. Add	Add the appropriate ending from the table	ate ending fro	om the table	chaud		
la Chandeleur	Pancake Day	below.	W.				The near f	The near future tense
I AID	Cominal	Subject	-er verbs	-ir verbs	-re verbs	To talk about t	hince that are	To talk about things that are doing to hange use AI I EP
le 14 juillet	Bastille Day	pronoun Je/J'	(JOUER)	(FINIR)	(VENDRE)	in the present t	ense, followed	in the present tense, followed by an infinitive verb.
Pouranoi 7	Whv?	Tu	ioues	finis	vends	ALLER,	Infinitive	
Parce que	Because	II/Elle/On	one	finit	vend	present	verb	
l'eime/l'adore	ited love	Nous	iouons	finissons	vendons	Tense		
la n'aime nas	I don't like	Vous	Zeno	finissez	vendez	Je vais	acheter	I am going to buy
····cod allino il an		IIs/Elles	iouent	finissent	vendent	Tu vas	manger	You are going to eat
Je deteste	hate					Il/Elle/On va	boire	He/She/We are going to drink
Je préfère	prefer	Décris	Décris la photo	Describe	Describe the photo	Note allone	visitar	We are notion to visit
manger du chocolat	to eat chocolate	Sur la pho	Sur la photo il y a	In the pho	In the photo there is	Mous allor	VISITE	Vie die guilig wisit
acheter des cadeaux	to buy presents	un homme	un homme/une femme	a man/woman	nan	Zalia shor	econter	You (pi.) are going to listen
danser et chanter	to sing and dance	un garçon/une fille	une fille	a boy/girl		IIs/Elles vont	choisir	They are going to choose.
faire une soirée	to have a sleepover	II/Elle danse	e	He/She is dancing	dancing	Aum	Au marché	Au marché
pyjama		II/Elle mange.	ge	He/She is eating	eating	du poisson		some fish
rendre visite à mes	to visit my cousins	II/Elle chante	tte	He/She is singing	singing	de la salade		some lettuce
cousins		II/Elle porte		He/She is wearing	wearing	de l'eau		some water
Parce que c'est	Because it is	II fait beau/mauvais	mauvais	The weather is	eris	des haricots verts	erts	some green beans
amusant/ennuyeux/	fun/boring/			good/bad		un morceau de fromage	e fromage	a piece of cheese
nul/sympa/ bête	rubbish/nice/ silly	For multiple	For multiple people: IIs/Elles dansent.	Elles dansen		une tranche de jambon	e jambon	a slice of ham
trop commercial	too commercialised	The -s and	The -s and -ent are slient	IL.		un chou-fleur	e S	a cauliflower
Comment fêtes-tu ?	How do you	Au	Au marché	Atti	At the market	une douzaine d'œufs	d'œufs	a dozen eggs
	celebrate?	Vinio doiroz 9	0	What we	add too libe?	un kilo d'oignons	suc	1kg of onions
Je retrouve mes	I meet my friends	In vous desir	to vous desirez r la voudrais e'il voure nlaft		I would like place	un demi-kilo de pommes	le pommes	1/2 a kilo of apples
copains		Et aver ra 2	pid snow il s		alea?	2 kilos de pommes de terre	nmes de terre	2kg of potatoes
Je mange des crêpes	I eat pancakes	C'ast tout marci	merci	That's at	That's everything	cent grammes de tomates	s de tomates	100g of tomatoes
Je danse	I dance	1000 1000		thanks.	"Runnfig	six bananes		six bananas
Je porte un masque et		Ca fait combien ?	ibien ?	How much is it?	ch is it?	When buying	when buying tood you can use:	Jse:
un déguisement	a disguise	Ça faiteuros.	ros.	It'seuros.	os.	1. une indenin	ure motime at uce. une pomme	bound
Je regarde la parade		Voltà.	100	Here you go.	1 go.	2 a municel. 2	a number, six pommes	a number. Six pummes a cuantity followed by der un bilo de nommes
Je partage des photos	I share photos	Bonne journée !	née !	Have a p	Have a good day!	A Annuanh p .c	In name	CONTRACT ON MIN IN

What do Glaciers do?	rs do?	The UK 20,000 years ago –	Why was it like that?
Erosion Transportation	ion Deposition	covered in ice!	Why was the UK like that, 20,000 years
Freee-thaw	Presentation of the second sec		ago? Well around 110,000 years ago. Earth got colder and colder. A new ice age began. (There had been many others
The glacier will carve and change The glacier moves material at the to shape of the mountain by base when it plucking rocks from under it and the material which falls on top of it then uses them to scrape and are carried in the middle and top.	al at the When the glacier starts to melf it ansports drops the material it is carrying on top of it which called glacial till and stops pushing material at the <u>snout</u> which has built up called <u>moraine</u> .		before it.) Over time, an ice sheet spread over much of northern Europe, and most of the British Isles.
How do Glaciers Form?		fear 9 Glaciation	It did not reach the south and south- east, but these areas were still very
		ALACIER	cold. The ground was frozen deep down. The surface thawed only in summer, giving thin boggy soil. Then small plants grew. This type of environment is called tundra .
		Land Contract of C	By 10,000 years ago, Earth had warmed up again. The ice age ended. The ice over the British Isles melted away. Now today we have ice for only
Where rivers depend on rain falling from the sky,	Va	llev Shape	short times, in winter.
glaciers depend on snow.	As the glacier slides down the	As the glacier slides down the valley it picks up rocks and erodes away	Named Examples
In those cold places we just discussed, snow falls layer on layer. Over time, the layers below get		the valley. The valley begins life as a V shape. As the glacier cuts and flows down the valley a U shaped valley is formed.	Fox Glacier: New Zealand
compacted to ice, like when you squeeze a snowball	IIe	This leaves behind steep cliffs along the sides of the U-shaped valley – these are called truncated spurs.	Glacier Notre: Mexico
very nard. It could take a layer of show 10 metres thick to make a layer of ice 1 metre thick.		Once the ice melts and the river flows once more, the small valleys are left hanging high above the new U-shaped valley floor. This landform is	Pindari Glacier: India
As it gets thicker, the ice gets heavier and heavier.		called a hanging <mark>valley</mark> Often the tributary streams fall from this hanging valley as waterfalls.	Damma Glacier: Denmark
Eventually, it starts to move/flow under the pressure of its own weight. As a result, a glacier is born.	essure	Lakes can be formed within valleys. Water falling on a glacial can create a Supraglacial lake. Lake water collecting in a cirque is called a tarn while long, thin lakes along a u-shaped valley forms ribbon lakes.	La Paloma Glacier: Chile

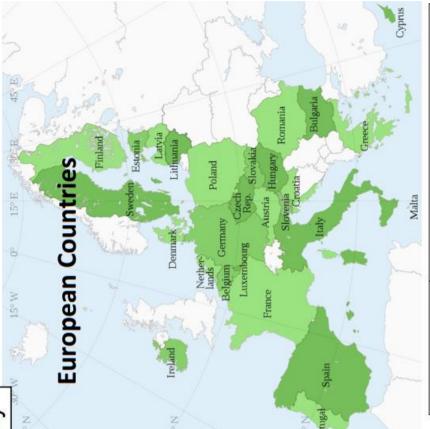




its large number of colonies. Today the USA, European Union and China are seen political influence and cultural influence. The UK used to be a superpower due to characteristics: large populations, military power, wealth, high levels of trade, Superpowers are countries or regions which have some of the following as superpowers.

million and a GDP of \$63000 per capita. The USA's cultural influence has spread across the world with well known brands of technology, food, retailers and coffee. The USA has many of the characteristics of a superpower. A population of 329

China's large population has led to the country being a leading manufacturer of technology products and large network of global trade.



Command words	
Describe	give a detailed account of the features of something without interpreting the information.
Explore	describe in detail and note impact.
Examine	make clear the details/meaning of; look in particular at reasons, causes and effects; account for; give reasons; justify.
Name	Only a short answer needed.
Identify	Name/select/recognise

/9 German - Autumn Term 1		2. Wer ist dein Vorbild?			
1. Beweg dich! Das ist/sind der Körper der Kopf der Arm der Rücken der Bauch der Bauch der Po der Fuß die Schulter die Hand das Bein das Knie das Gesicht das Auge das Ohr das Kinn die Nase	Move! This is/are the body the head the arm the back the belly the bottom the foot the shoulder the hand the leg the knee the face the eye the ear the chin the nose	Warum? Was macht er/sie? Wie ist er/sie? ist mein Vorbild, weil er/sie ist. Ich liebe, weil er/sie ist. Ich mag (nicht), weil er/sie ist. begabt berühmt dynamisch erfolgreich lustig originell reich arrogant nervig	Why ? What does he/she do ? What is he/she like ? is my idol. because he/she is I love because he/she is I like (not), because he/she is I like (not), because he/she is talented famous energetic succesful funny original rich arrogant annoying		
der Mund	the mouth	launisch	moody		

3. Was hast du in deinem Leben gemacht?	What did you do in your life ?
Ich habe	I (have)
viele Reisen gemacht.	travelled a lot. (literally : done lots of journeys)
mit Kindern gearbeitet.	worked with children.
viele Preise gewonnen.	won lots of prizes.
viele Länder gesehen.	seen lots of countries.
viel Geld verdient.	earned a lot of money.
viel trainiert.	trained a lot.
Ich bin nach Afrika gefahren.	I went to Africa. (literally: I have driven to Africa)

4. Was wirst du in der Zukunft machen?	What will you do in the future ?
In der Zukunft werde ich	In the future I will
viele Reisen machen	travel a lot. (literally: do lots of journeys)
viele Länder sehen	see lots of countries.
Arzt/Ärztin werden	become a (male) doctor/(female) doctor.
in Asien arbeiten	work in Asia.
Theaterwissenschaft studieren	study drama.
viel Geld verdienen	earn a lot of money.
für eine Hilfsorganisation arbeiten	work for an aid organisation.

5. Was ist passiert?	What happened?
Ich habe mir (das Bein) verletzt.	I injured my leg.
Ich habe mir (den Arm) gebrochen.	I broke my arm.
Ich habe einen Unfall (im Schwimmbad) gehabt.	I had an accident (at the swimming pool)
Ich bin (vom Rad) gefallen.	I fell (of my bike)
Ich bin ins Krankenhaus gekommen.	I went to hospital. (literally: I came into the hospital)

Y9 German - Autumn Term 2 1. Bist du wild auf Musik? Are you wild about music? R&B-Musik / Jazzmusik R&B music / Jazz music Rap-Musik/Hip-Hop Rap/hip Hop klassische Musik classical music Sie klingt positiv/negativ. It sounds positive/negative. Sie ist kitschig / energiegeladen It is cheesy/ energetic. (full of energy) Sie macht gute Laune. It puts you in a good mood. Was für Musik hörst du (nicht) gern? What type of music do you not like listening to? Ich höre (nicht) gern ..., weil sie ... ist/macht. I (don't) like listening to..., because it is/does... Mein(e) Lieblingssänger(in) ist My favourite singer is ... My favourite band is ... Meine Lieblingsband ist ... Mein Lieblingslied ist ... My favourite song is ... 2. Spielst du ein Instrument? Do you play an instrument? Ich spiele ... I play ... (das) Keyboard / (das) Klavier (the) keyboard / (the) piano (das) Saxofon / (das) Schlagzeug (the) saxophone / (the) drums (die) Gitarre / (die) Geige (the) guitar / (the) violin (die) Trompete / (die) Klarinette (the) trumpet / (the) clarinet Instrumente instruments Ich spiele seit... I have been playing forseit drei Jahren/sechs Monaten ... for three years/ six months ...seit Juli/der Grundschule ...since July/since primary school Keyboard/Geige/Gitarre. keyboard/violin/guitar jeden Tag/einmal pro Woche/ every day/ once a week am Wochenende/ab und zu. on the weekends/ now and then in der Schule/in einer Band. at school/ in a band 3. Was für Musik spielen sie? What type of music do they play? Ich glaube, sie spielen ... I think they play ... Rockmusik / R&B-Musik / Popmusik. rock / R&B / pop music I find it/them ... Ich finde sie ... energiegeladen / begabt / originell full of energy / talented / original monoton / zu laut monotonous / too loud Ich denke, ihr Look ist ... I think, their look is ... cool/modern/alternativ/ (alt)modisch cool/modern/alternative/(old)fashionable 4. Was habt ihr gemacht? What did you do? Wir haben coole Bands gesehen. We saw cool bands. Ich habe viel gesungen und viel getanzt. I sang and danced a lot. Ich habe in einem Zelt geschlafen. I slept in a tent. Ich habe neue Freunde gefunden. I made new friends. Wir haben exotische Spezialitäten gegessen. We ate exotic specialities. Ich habe Souvenirs gekauft. I bought souvenirs. Wie heißt du und Woher kommst du? What is your name and where are you from? Seit wann bist du hier? How long have you been here for? Was für Musik hörst du gern? What type of music do you like listening to? Was ist deine Lieblingsband? Who is your favourite band? Welche Bands hast du gesehen? Which bands have you seen?

What were they like?

Wie waren sie?

Second Year German - Autumn				Term 1	- to travel/ ride/ go travel				
Reg <u>With regul</u> the ending ending th prono spie	ular verbs ar verbs, ren a -en and add at goes with oun (person). elen- to play piel(-en)	nove i the the			ich fahre du fährst er fährt sie fährt wir fahre ihr fahrt sie fahre	you he she n we you t	avel u travel travels e travels travel ravel (plu travel	2 X 22	
Ich spiel(e) <i>I play</i> du spiel(st) <i>you play</i> er spiel(t) <i>he plays</i> sie spiel(t) <i>she plays</i> man spiel(t) <i>one plays</i> wir spiel(en) <i>we play</i> ihr spiel(t) <i>you (plural) play</i> sie spiel(en) <i>they play</i>		schlafen – to sleep ich schlafe / sleep du schläfst you sleep er schläft he sleeps sie schläft she sleeps wir schlafen we sleep ihr schlaft you sleep (plural) sie schlafen they sleep		treffen – to meetich treffeI meetdu triffstyou meeter triffthe meetssie trifftshe meetswir treffenwe meetihr trefftyou meet (plural)sie treffenthey meet					
ich habe du hast er hat sie hat man hat es hat wir haben ihr habt sie haben	I have you have he has she has one has it has we have you have (pl they have	ural)	seh ich sehe du siehst er sieht sie sieht wir sehen ihr seht sie sehen	ien – to see J see you see he sees she sees we see you see (p they see	olural)	ich le du lie er lie sie li wir le ihr le sie le	ese est est esen est	I read you rea he read she rea we rea you rea they re	ad ds ads d ad (plural)
sein – to beich binI amdu bistyou areer isthe issie istshe isman istone ises istit iswir sindwe areihr seidyou are (plural)sie sindthey are		ess ich esse du isst er isst sie isst wir essen ihr esst sie essen	you eat he eats she eats we eat you eat (plural)		du tr er trä sie tr wir tr ihr tr	tragen – to wear ch trage / wear lu trägst you wear er trägt he wears lie trägt she wears vir tragen we wear nr tragt you wear (plural) lie tragen they wear			
Jahreszeite Frühling Sommer Herbst Winter	n Seasons Spring Summer Autumn Winter	und oder aber	and or but because	Frequence immer oft manchma selten nie	always often		Five k Frühlin faulen er isst ich tre ich fah	ffe	ds Spring to laze around he eats I meet I travel

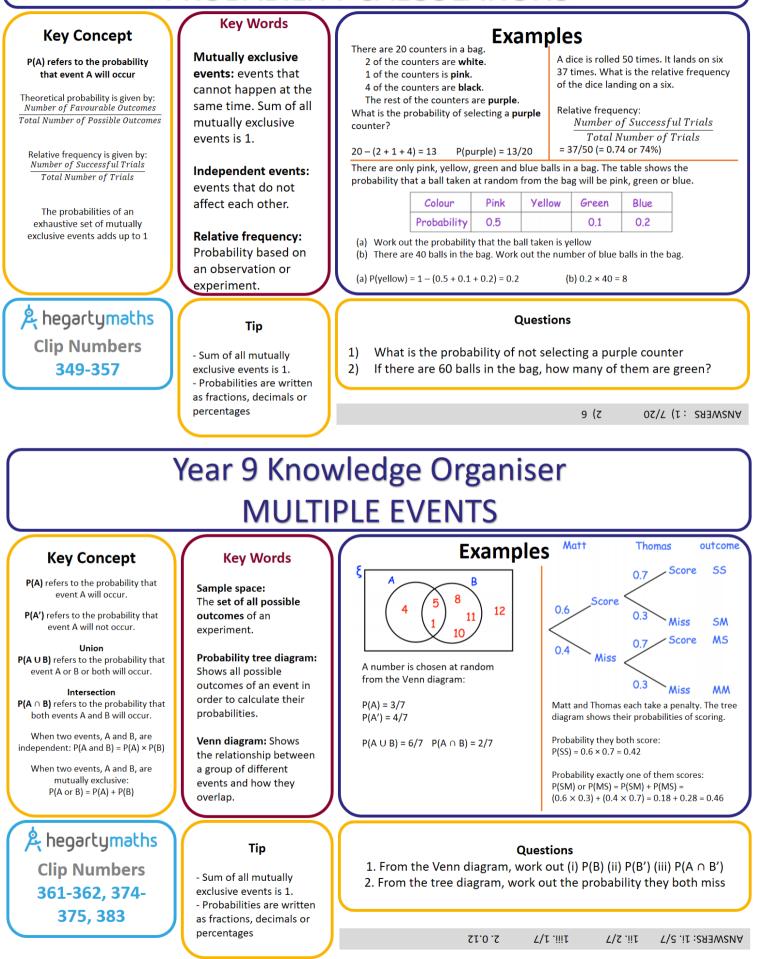
Second Year German - Autumn Term 2

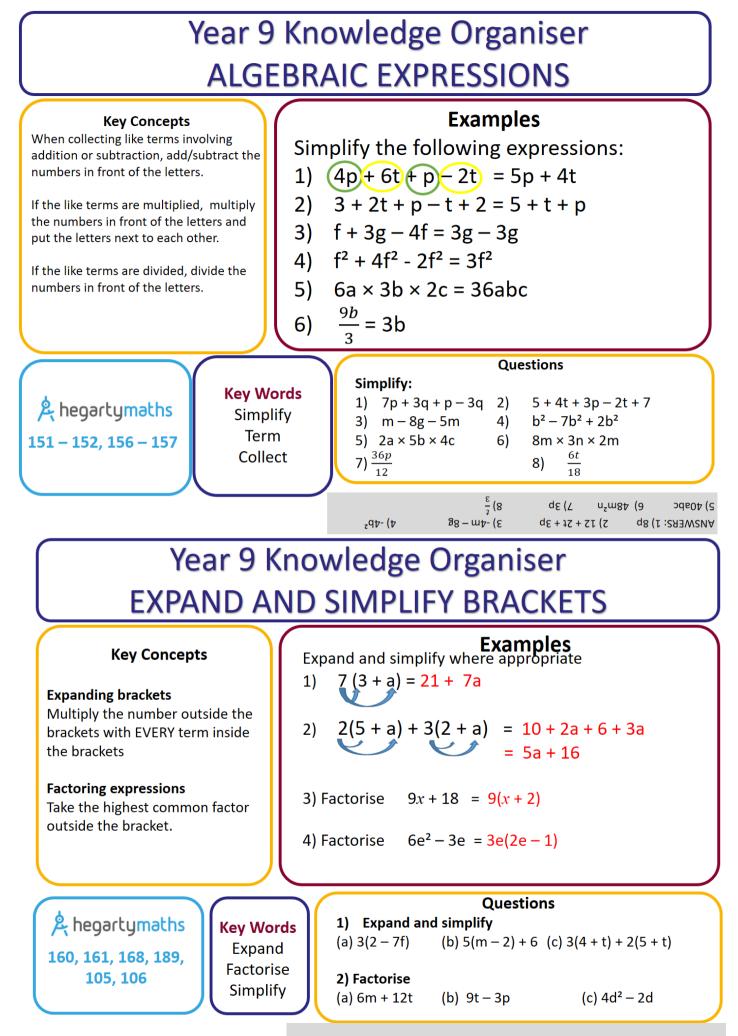
Kleider/ Klamo C der Rock der Mantel der Anzug der Kapuzenpulli die Jeanshose/ d die Hose das Kleid das Hemd das T-Shirt die Schuhe die Stiefel die Sandalen	lothes skirt coat suit hoodie	einen kurzen Rock a sho einen langen Mantel a long einen lockeren Kapuzenpulli a cas eine weite Hose a baggy pa eine schmale Jeanshose a pair of	vearing?die Schuhe the shoesI am wearing ort skirt g coat ual hoodie air of trousers skinny jeans ered shirt of dresstrendig trendig trendig ich ziehe mich an I get dressedskinny jeans ered shirt of dresseinige Leute some people viele Kinder many children
lang lo weit wide-l schmal slim-le schick si locker ca kariert ch gepunktet spot gestreift st	hort ing eg/baggy eg/skinny mart asual heckered	ein erstes Date Was wirst du machen? ich werde die Karten im Voraus kaufen einen guten Film auswählen früh ankommen abholen etwas Schickes anziehen genug Geld mitnehmen mit dem Bus in die Stadt fahren ins Kino gehen	go to the cinema
lässig in trendig tro sportlich sp klassisch cl High frequenc wenn w immer al	rour style? formal endy borty assic y words hen/ if lways	ich mache mich fertig ich style mir die Haare ich mache mir die Haare ich putze mir die Zähne ich schminke mich ich ziehe mich an ich sehe mich im Spiegel an ich benutze ein Deo ich wähle meine Kleider aus	go out to eat I get myself ready I style my hair I do my hair I brush my teeth I put on make-up I get dressed I look at myself in the mirror I put on deodorant I choose my clothes
seit si für fo möglich po pro Jahr po nächstes Jahr teuer ex alle al	rst of all ince/ for or ossible er year	Diskussion und Debatte Viele/ Einige Leute sagen Meiner Meinung nach Erstens Zweitens Schließlich Du hast gesagt aber ich denke Auf der einen Seite	Discussion and debate Many/some people say In my opinion Firstly Secondly Finally You said but I think On the one hand

		Key Words	Definition
HISTORY	The First World War	Militarism	People taking pride in their armies and wanting to spend money to make it binner and better
	Chronology	Alliance	An agreement between countries to support each other in the
1011	Murder of Archduke Franz		event of a war.
	Eordinand	Imperialism	The desire to have a big empire and control other countries.
1017	Provis with draw from the work	Nationalism	To love your country and think that it is superior to others
	russia wirindrew Irorn rije war	Triple Entente	An alliance between Britain, France and Russia
	and the United States Joined	Triple Alliance	An alliance between Germany, Austria-Hungary and Italy
May 21st _1st	ure war Battla of Jutland	Black Hand Gang	A gang of Serbian nationalist who wanted Bosnia to become part
	במוווב כו כמוומו מ		of Serbia. Carried out the murder of Archduke Franz Ferdinand
		Propaganda	False or misleading information used to spread a certain point of
July –Nov 1916	The Battle of the Somme		view
11 th Nov 1918	Armistice	Recruitment	Asking people to join the armed forces
		Conscription	The government policy of forcing men to join the armed forces in
1 1			wartime.
Key People	Role	Pals Battalion	A group of friends or co-workers who enlist to fight the First World
Archduka Eranz	Hair to the Austrian throne		War together
Fordinand	who was murdered in hine	Contentious objector	A person who thinks that the war is wrong and refuses to fight
	WID WAS IIIUUUEEU III JUIE 1914	Western Front	The area of Northern France and Belgium where British, French
		:	and Belgian forces fought Germany in the First World War.
	Mandar of the Direct Line d	Zeppelin	A Large German airship used in the First World War.
Gavrilo Princip	Member of the Black Hand	stalemate	An inability to move forward and a solid determination not to be
	Gang wno murdered Franz Ferdinand		pushed back
		A till on t	I area arms that fired shalls which were read on the hottlefeld to
General Haig	British General at the Battle of	Aumery	Laige guits that illed shells which were used off the battleheld to destroy tranches
)	the Somme	Battle of Jutland	The only major naval battle of the First World War
Kaicar Wilhalm II	Garman Kaisar (Kina) durina	Fokker Gun	A machine gun that could fire through the propeller blades of an
	the Eiret Merid Mer		aircraft
		Shell Shock	A nervous condition suffered by some soldiers exposed to the
			noise and the chaos of battle.
		Anzac	The Australian and New Zealand army corps.
		Rationing	Officially limiting the amount of items such as food allowed to be
3	A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O		brought during wartime.
		WAAC	Women's Army Auxiliary Force
	3	DORA	Defence Of the Realm Act
	A Lawrence L	Armistice	The end to fighting a war
		Abdicate	Stepping down from the role as king or queen.

		Key People	Role	Key Words	Definition
	HISTORY		=	Appeasement	To pacify or placate someone by
		Adolf Hitler	Chancellor and then dictator of Germany, 1032		acceding to their demands
0000	Socond World War		dictator of Germany, 1999- 45		(particularly to avoid conflict)
0000		Neville	British Prime Minister,	Isolationist	A policy of remaining apart from the affairs of interasts of other
	Chronoloav	Chamberlain	1937-40. Associated with		anans of interests of other countries
1	6		the policy of appeasement.	Fascism	A right-wing nationalist political
30 th	Hitler becomes	Franklin D.	USA's longest ever serving		ideology
January	Chancellor of Germany	Roosevelt	President, 1933-45.	Dictatorship	A country led by a ruler with total
1933		Wineton	British Drime Minster 1940-		power, usually obtained by force.
1938	Anschluss between	Churchill	5. He would later become	Phoney War	An eight month period after war
1020	Germany and Austria		Prime Minister again, 1951-		was declared in which very little
			5.	Marinot line	A line of fortifications built by the
	Ozecilosiovania Milnich Conference	Joseph	Communist dictator of the		French along their border with
	German Invasion of	Stalin	USSR from the late 1920s		Germany
	Poland and the	Duricht D	UTULI 1933. LIS fivo ctor concret and	Blitzkrieg	"Lightning War" – The German
	outhreak of Second	Eicenhourer	OJ IIVE-Stal general and		tactic of fighting an intense military
	World War				campaign designed to bring about
1940	Rattle of France		rne Allieu Expeditionary		a swift victory
	Battle of Britain		Force in Europe. Voula	Radar	A system using radio waves to
					detect aircraft
1940-1	The Blitz		President of the USA, 1953-	Blitz	"Lightning" – coined by the British
7 th	Japanese attack on	-	61. Dist FrithMartell Wes		press to describe the German
December	Pearl Harbour	Bernard	British Field Marshall. Was		bombing campaign on British cities
1941		Montgomery	in command of all Allied	Blitz Spirit	The determination of the British
1941	Battle of Stalingrad		ground forces during the Battle of Normandy under		public in the face of the German
6 th June	D-Day		General Eisenhower		the spirit has been debated.
1944		Erwin	German Field Marshall. In	Operation	The code name for the German
8 th May	VE Day	Rommel	command of the German	Barbarossa	invasion of the USSR
1945			forces during the Battle of	Guerrilla	Irregular warfare, using hit and run
6 th and 9 th	Atomic bomb dropped		Normandy.	warfare	tactics to attack the enemy
August	on Hiroshima and	Harry S.	US President, 1945-53.	Amphibious	An assault from the sea onto
1945	Nagasaki	Truman	Made the decision to drop	landing	enemy controlled land
15 ^m	VJ Day		the atomic bomb on Japan.	Manhattan	The code name for American
August 1945				Project	research into producing an atomic bomb

Year 9 Knowledge Organiser PROBABILITY CALCULATIONS





ANSWERS: 1) (a) 6 - 21f (b) 5 - 21f (c) 22 + 5t (c) 22 + 5t (c) 2d - 21f (c) 2d(2d - 1) (c) 2d(2d - 1)

Music - Songwriting

	Key term – Structure
Revising song S	Structure (Y8/T1)
Introduction	The opening
Verse	A section where the music is the same, but the lyrics change each time it is heard
Bridge	A section linking two sections, often between the verse and chorus
Chorus	The most memorable section with a catchy hook that is repeated several times during the song
Middle 8	A contrasting section often after the second chorus
Outro	The closing section often fading out.
Instrumental	A section with no lyrics but an instrumental solo

32 bar Song Structure (AABA)
Strophic form
Verse/Chorus Structure

	Key term - Melody
Revisit previous	learning (Y7/T1, Y8/T2, Y8 T3)
	The main and most memorable melody generally used in
Hook	the chorus
	A short musical phrase that is repeated often in the
Riff	accompaniment

	Key term – Chords/Harmony
Developing know	wedge of chords and chord sequences (Y7/T2, Y8/T1,
Y8/T2, Y8/T3)	
Primary	
chords	I, IV, V
Secondary	
chords	ii,iii,vi

	Key term - Texture
Developing know	wledge of texture (Y7/T3, Y8/T2, Y8/T3)
Layering	How different textures can be created and changed by the layering of different instruments/sonorities

	Arranging and Composing
	How the mood and style of a song can be completely
Cover	changed by changing some of the key elements studied in
Versions	lessons.
	Using audio from a song along with new elements to
Remix	create new version of a song
Lyrics	An introduction to how lyrics are used within songs.
	Identifying different sections within a song and how a song
	is constructed.
Listening	Recognising which elements are used and varied to create
	cover versions of a song
	Identifying basic chord sequences
	Learning and performing chord sequences and hooks from
Performing	existing songs
renoming	Performing self composed songs
	Performing using voices, instruments and/or technology.
Composing	Composing all or part of an original song in a group setting
	Using technology to create a cover version/remix of a song
Contextual	A short study into different genres of Pop and Rock with a
Knowledge	focus on a famous artists or group

		Yea	Year 9.1 - KS3 Core PE Knowledge Organiser —Principles of Training
			Principles of training
4		Principle	Description
	The second secon	, Individual	No two exercise programmes should be exactly the same because they should be designed to meet the needs of an individual .
11		Needs	A PARQ is used to help understand individual needs, this questionnaire determines what an individual is capable of and will inform the intensities and types of activities to be used as part of a training program.
		2 Specificity	Training should be matched to the requirements of the activity that the performer is involved in, ie Specific to the event.
		³ Progressive Overload	The frequency , intensity , time and/or type of exercise are gradually increased to ensure levels of performance continue to improve until a plateau (limit) is achieved. Eg increase the training session by 10 mins (time). We would NEVER train so much that we would become injured, this MUST BE avoided.
		4 Reversibility	Any adaptation that takes place as a result of training will be reversed when you stop training. If you take a ity break or don't train often enough you will lose fitness (this includes when you get injured – and is why is someone breaks their arm, when the come out of the cast the arm can be skinny)
		5 Overtraining	This occurs when you train too hard and do not give your body enough time to rest and recover between training sessions.
	Principle		Worked Examples
~	Individual Needs	Yr 11 pupil com their individual	Yr 11 pupil completing a PEP (Personal exercise plan) would complete a PARQ before they start so they can match their PEP to their individual needs. These include o Age, o Gender o Ability, o Fitness Levels. Eg The yr 11's PEP would look very different to that of a Premiership footballer – different age and ability)
2	Specificity	A basketball p jum	A basketball player looking to improve his rebounding would use plyometric training to develop his power. They would use box jumps as this is specific to the movement and the muscle groups they use when they jump for a rebound.
3	Progressive Overload	A football play During week 1	A football player looking to improve the strength of shooting would use weight/resistance training, for example a leg extension. During week 1 of a PEP they would lift 10kg, then each week they would increase the intensity by 2.5kg. (being careful not to exceed their limits)
4	Reversibility	A long distand reversibility and	A long distance runner, would use continuous training and they would avoid having gaps in their training to stop the effects of reversibility and returning to their untrained state. Reversibility also sets in when an injured athlete has to have a break in training due to INJURY.
5	Overtraining	A weightlifter w	A weightlifter would use weight training and train 3-5 times a week and allow time for rest and recovery and avoid overuse injury and avoid overuse injury and an allow adaptation.
			Key Misconceptions/mistakes
	f you are training c f you are training m	ardio-vascular end	If you are training cardio-vascular endurance or muscular endurance you would need to work in your aerobic training zone. If you are training muscular strength, speed or power you would need to work in your anaerobic training zone.

		Year 9.2-	Year 9.2– KS3 Core PE Knowledge O	Organiser —Principles and Thresholds of Training	d Thresholds of Training
				FITT Principles	
	Principle	Description	uo	Worked Examples	amples
~	Frequency	How often to train.		icy is increased by training a g	Frequency is increased by training a greater number of times each week
7	Intensity	How hard to train.	Intensity is increased percentage of	lifting a greater resistance , si ximum heart rate. This can be	by lifting a greater resistance , such as with weight training, or by training at a higher maximum heart rate. This can be done either as continuous or interval training
с С	Time	How long to train.		by training for longer , reducing recovery times o of sets or repetitions (also known as reps)	Time can be manipulated by training for longer , reducing recovery times or by completing a greater number of sets or repetitions (also known as reps)
4	Type	Which methods of training to use.	Type of training is I	iipulated by offering a variety of training ty combining training methods.	manipulated by offering a variety of training types and experiences to the athlete by combining training methods.
	Key Vocabulary	pulary		Worked e.g thresholds of training	olds of training
	Heart Rate, Resting Heart Rate, Aerobic, Anaerobic, Endurance, Strength, Plateau	ig Heart Rate, c, Endurance, 'lateau	Basic method Max HR x Intensity Example—aerobic training zone for John who is 16 220-age (220-16 = 204) 204 x 0.6 = 122.4 204 x	<mark>ig zone for John who is 16</mark> 204 x 0.6 = 122.4 204 x 0.8 = 16	<u>o is 16</u> 204 x 0.8 = 163.2 John's aerobic training zone is 122-163 bpm
				Key Terms	
	Key terms			Definition	
-	Heart Rate (HR)		The number of hea r	heart beats per minute, measured in beats per minute (bpm)	in beats per minute (bpm)
2	Resting Heart Rate (RHR)		The number of heart be	ats per minute (at rest), meas	The number of heart beats per minute (at rest) , measured in beats per minute (bpm)
3	Maximum Heart Rate (MHR)	The maximun	n number of beats your heart can l	beat per minute. This is measu	The maximum number of beats your heart can beat per minute. This is measured in beats per minute. This is calculated as 220 - age.
4	Recovery Heart Rate	The fitter you first minute a	are, the faster the recovery of your after you stop exercising; it should th	heart rate (back to your <u>R</u> esting hen fall about 20 beats a minu abnormal.	The fitter you are, the faster the recovery of your heart rate (back to your <u>R</u> esting <u>H</u> ear <u>R</u> ate). Your heart rate drops most sharply in the first minute after you stop exercising; it should then fall about 20 beats a minute —a drop of less than 12 beats a minute is considered abnormal.
			T	Training thresholds	
	Key Term		Definition	Key Term	Definition
~	Aerobic Training Zone		60-80% of your maximum heart rate.	3 Muscular Endurance	Low Weight with High Repetitions & Low Sets
8	Anaerobic Training Zone		80-90% of your maximum heart rate.	4 Muscular Strength	High Weight with Low Repetitions & High Sets

Key Terms	Definitions	Religious Studies: Hinduism Beliefs and Teachings	efs and Teachings
Divine	God / gods	How do Hindus see the Divine?	ne Divine?
Brahman	The overall God, the supreme being. Non-personal. 'it'	Hindus believe in one overall God (Brahman) who is non-personal and impossible to worship directly. This	rsonal and impossible to worship directly. This
Deities	Different gods / goddesses. Show one side of Brahman.	is Nirguna branman, God beyond the universe. They worsnip God through detries like Lady Lakshmi, they can have a personal relationship with them. This is Saguna Brahman, god(s) with shape and form.	p God through deitles like Lady Lakshmi, they ina Brahman, god(s) with shape and form.
Nirguna Brahman	God with no shape / form, non-personal.	What do Hindus sav about the soul?	out the soul?
Saguna Brahman	God(s) with shape / form, the deities like Ganesha.	The Atman is the soul inside all living beings. When a being dies the Atman is reincarnated taking on a new	lies the Atman is reincarnated taking on a new
Beyond	The Divine is beyond the universe, not within it.	body. Humans and animals have atmans. The atman can be seen as a bit of the Divine, a bit of Brahman inside all beings. The aim of Hinduism is to escape samsara, then vour Atman unites with Brahman.	e seen as a bit of the Divine, a bit of Brahman ara, then vour Atman unites with Brahman.
Non-personal	Brahman is everywhere, not a single being to have a relationship with.	Who are the key Hindu deities?	u deities?
Personal	As the deities, Saguna Brahman, gods can be pictured and worshipped, a relationship can develop.	The Trimurti are often seen as the three most important deities as they act together to keep the universe in motion. Brahma is the creator, Vishnu the preserver and Shiva the destroyer. Brahma's consort is Lady Saraswati, goddess of music and of learning. Vishnu's consort is Lady Lakshmi,	ities as they act together to keep the universe reserver and Shiva the destroyer. of learning. Vishnu's consort is Lady Lakshmi,
Atman	The soul inside all living beings.	goddess of wealth, prosperity and good fortune. Lord Ganesha, with an elephant head, is the god of new	sha, with an elephant head, is the god of new
Soul	Spiritual, not physical, does not die when the body does.	beginnings and the remover of obstacles. Vishnu can come down to earth as an avatar when times are hard. As Lord Rama he defeated the evil Ravanna, with help from Hanuman, the monkey warrior. As Lord	e down to earth as an avatar when times are i from Hanuman, the monkey warrior. As Lord
Trimurti	The three main Hindu deities.	Krishna he defeated King Kamsa. Hindus say there are 10 avatars of Vishnu in total.	e are 10 avatars of Vishnu in total.
Shakti	The female side of the divine	What is Divali?	What is Holi?
Avatara	The idea that Vishnu comes down to earth to help humans.	The festival of lights, and Hindu New Year. It remembers Rama and Sita returning from exile, lights were lit to walcome them home. Ereworks calabrate their virtury	The festival of Spring, and of colours. It remembers Krishna's fun loving side, with children throwing naint nowder This is also
Diwali / Divali	The Hindu festival of light.	over the 10 headed demon Ravanna.	a reminder all are equal.
Holi	The Hindu festival of Spring, and of colours.	Lady Lakshmi is also worshipped, houses are cleaned and randoli natterns drawn to welcome her Those in	It also remembers the evil Holika being humed to death defeated by her nenhew
Svetakatu	A confused little boy.	business pray she will help them prosper in the new year.	Prahlad. Bonfires celebrate her destruction.
Upanishads	Hindu Scriptures.	Key quotes on deities:	Key quotes on deities:
		The Ramayana is the story of Rama, Sita, Hanuman and	The Krishna stories show how an avatar
"How many god	Key quotes on the divine: "How many gods are there? Three and three hundred, three and three	Lakshmana, it shows the victory of light over dark, of good over evil.	fights and overcomes evil, but Krishna is also shown as loving and mischievous.
"But really Hindus beli	thousand." "But really how many gods are there? One." (Upanishads) Hindus believe in both one God (Brahman) and many deities.	Key quotes on the divine: Svetakatu – his father used salt in a glass of water to help him understand God is everywhere, but unseen. A seed helped him understand the idea of atman inside all living things. Unseen. but there within.	divine: m understand God is everywhere, but unseen. all living things. Unseen. but there within.
		ע ארכים ווכוארים ווווון מוומרואנוות נוור ומרם כו מנווומון וואומר	

	iefs and Teachings le universe? verse. In each universe there is an upper realm where the might be reborn in a different where the might be reborn in a different where the second of th	Religious Studies: Hinduism Beliefs and Teachings How do Hindus see the universe? A cluster of bubbles float in space, each one contains a universe. In each universe there of heavens, an earthly realm and a lower, unpleasant realm. In a new life we might be regentered to the avery and a lower, unpleasant realm. In a new life we might be regentered to the avery about matter? Mathematical is provided to the second of the second of the second to the second of the second to the second the second to the second the second to the se	ey terms Definitions esemology Ideas about the universe. osmology Ideas about the universe. osmos The universe. rakriti Matter. akriti Matter. latter Physical, material, experienced through the senses. Will not last for ever. "atter Physical, material, experienced through the senses. Will not last for ever. "i-guna Physical, material, experienced through the senses. Will not last for ever. "i-guna Physical, material, experienced through the senses. Will not last for ever. "i-guna Physical, material, experienced through the senses. Will not last for ever. "i-guna Physical, material, experienced through the senses. Will not last for ever. "i-guna Links to the Atman, can't be experienced physically. "i-guna Links to the Atman, can't be experienced physically. "Part Illusion, ultimately all material things are an illusion. "aya Illusion, ultimately all material things are an illusion. "aya Illusion, ultimately all material things are an illusion. "aya Illusion, ultimately all material things are an illusion. "aya Illusion, ultimately all ma	Key terms Cosmology Cosmos Prakriti Matter Matter Tri-guna Tri-guna Maya Spirit Many worlds Cycle of 4 Ages Kalki Many worlds Diverse inhabitants Spiritual worlds Spiritual worlds
	s) se: Ind the end and	"The self is hidden in all beings." (Upanishads) Key quotes on Brahman and the universe: "All this universe is in truth Brahman. He is the beginning and the end and	Key quotes on cosmology: "Who truly knows whence comes this creation?" (Rg Veda 10) Hindus sav there is a lot we don't know about the cosmos.	Who truly ^I Hindus sa
		Key quotes on the Atman / soul: "The self is hidden in all beings." (Upanishe	he is outside all."	
	<pre>ie time? the longest lasting, and the best. Then there is</pre>	How do Hindus : Universes go through a cycle of 4 ages, the 4 yugas. Gold	Upper realms where deities live.	ual worlds
		destroyed	Each universe contains different forms of beings.	se itants
Each universe contains different forms of beings. Upper realms where deities live.	It temporary. No material thing last for ever,	for a snake, so we worry about material things that are	Many universes, and each universe has different realms.	worlds
Many universes, and each universe has different realms. Each universe contains different forms of beings. Upper realms where deities live.	working together, others say the spirit is more (maya) – inst as a coiled rone can be mistaken	experienced through the senses. Some Hindus see both a immortant At enlightenment matter is seen as an illusion	The tenth avatar of Vishnu.	
The tenth avatar of Vishnu. Many universes, and each universe has different realms. Each universe contains different forms of beings. Upper realms where deities live.	or touched, and matter (prakriti) which can be	The world is made up of spirit (purusa), which can't be see	Time is made up of 4 ages: gold, silver, copper, iron.	of 4 Ages
Time is made up of 4 ages: gold, silver, copper, iron. The tenth avatar of Vishnu. Many universes, and each universe has different realms. Each universe contains different forms of beings. Upper realms where deities live.	NR	What do Hindus	Illusion, ultimately all material things are an illusion.	
Illusion, ultimately all material things are an illusion.of 4 AgesTime is made up of 4 ages: gold, silver, copper, iron.The tenth avatar of Vishnu.The tenth avatar of Vishnu.worldsMany universes, and each universe has different realms.teach universe contains different forms of beings.tantsUpper realms where deities live.	Eventuary Contraction Internation		Links to the Atman, can't be experienced physically. Purusa = spirit.	
Links to the Atman, can't be experienced physically.Purusa = spirit.Purusa = spirit.Illusion, ultimately all material things are an illusion.of 4 AgesTime is made up of 4 ages: gold, silver, copper, iron.The tenth avatar of Vishnu.worldsMany universes, and each universe has different realms.eEach universe contains different forms of beings.itantsUpper realms where deities live.			Three stages of matter: creation, maintenance, destruction	na
naThree stages of matter: creation, maintenance, destructiondestructionLinks to the Atman, can't be experienced physically.Links to the Atman, can't be experienced physically.Purusa = spirit.Illusion, ultimately all material things are an illusion.of 4 AgesTime is made up of 4 ages: gold, silver, copper, iron.The tenth avatar of Vishnu.worldsMany universes, and each universe has different realms.eEach universe contains different forms of beings.itantsUpper realms where deities live.	Moksha		Physical, material, experienced through the senses. Will not last for ever.	L.
Physical, material, experienced through the senses. Will not last for ever.aThree stages of matter: creation, maintenance, destructionaThree stages of matter: creation, maintenance, destructionbLinks to the Atman, can't be experienced physically. Purusa = spirit.1Links to the Atman, can't be experienced physically. Purusa = spirit.fAgesfNutimately all material things are an illusion.fAgesfTime is made up of 4 ages: gold, silver, copper, iron.fThe tenth avatar of Vishnu.vorldsMany universes, and each universe has different realms.eEach universe contains different forms of beings.antsUpper realms where deities live.			Matter.	ti
Matter. Physical, material, experienced through the senses. Will not last for ever. a Three stages of matter: creation, maintenance, destruction a Three stages of matter: creation, maintenance, destruction Links to the Atman, can't be experienced physically. Purusa = spirit. Illusion, ultimately all material things are an illusion. f 4 Ages Time is made up of 4 ages: gold, silver, copper, iron. for the tenth avatar of Vishnu. Vorlds worlds Many universes, and each universe has different realms. entits Each universe contains different forms of beings. ants Upper realms where deities live.	verse. In each universe there is an upper realm I n a new life we might he rehorn in a different	A cluster of bubbles float in space, each one contains a u	The universe.	SC
s The universe. Matter. Matter. Image: A set of matter is a set of matter is the experienced through the senses. Will not last for ever. Matter. Image: A stages of matter is the experienced physically. Image: A set of matter is a set of	e universe?	How do Hindus see t	Ideas about the universe.	ology
ologyIdeas about the universe.osThe universe.osThe universe.tiMatter.tiMatter.tiPhysical, material, experienced through the senses. Will not last for ever.naPhysical, material, experienced through the senses. Will not last for ever.naPhysical, material, experienced through the senses. Will not last for ever.naPhysical, material, experienced through the senses. Will not last for ever.naPhysical, material, experienced through the senses. Will not last for ever.naPhysical, material, experienced through the senses. Will not last for ever.naPhysical, material, experienced through the senses. Will destructionnaPhysical, material, experienced through the senses.naPhysical, material, experienced through the senses.naPhysical, material, experienced through the senses.naPhysical, silver, copper, iron.of A AgesTime is made up of A ages: gold, silver, copper, iron.of A AgesTime is made up of A ages: gold, silver, copper, iron.worldsMany universes, and each universe has different realms.seEach universe, and each universe has different realms.seEach universe contains different forms of beings.tiantsUpper realms where deities live.	iefs and Teachings	Religious Studies: Hinduism Be	Definitions	erms

RE Year 9 Topic 1: Crime and Punishment

<u>Evil</u>

Evil actions are those that cause suffering, injury or possible death. Some actions are considered evil even though they are legal. Evil can be linked to the devil (Satan). Evil actions maybe blamed on not resisting temptation. People are created good, there is usually a reason why they do wicked things, this could be due to psychological illness. Not all evil actions come from evil intentions, sometimes a person may be influenced by the situation in which they fond themselves. Many Christians would claim there is no such thing as an evil person. The belief in <u>original sin</u> came from the disobedience of Adam and Eve means that all humans have a tendency to do things that are evil even though they are not evil themselves. The teachings in the Bible warn against having evil or wrong thoughts or intentions: 'You have heard it was said to the people, 'You shall not murder', and anyone who murders will be subject to judgement.' (Matthew 5:21). God will make this judgement.

Suffering

Christians believe they should try to help everyone, they have a duty. They should follow the example of Jesus. Why would a loving God, who cares about his people, allow them to suffer? God gave humanity free will and given guidance about how to use free will responsibly.

Christians try to heal the wrong that has been done as Jesus taught to love and respect each other.

Treatment of Criminals

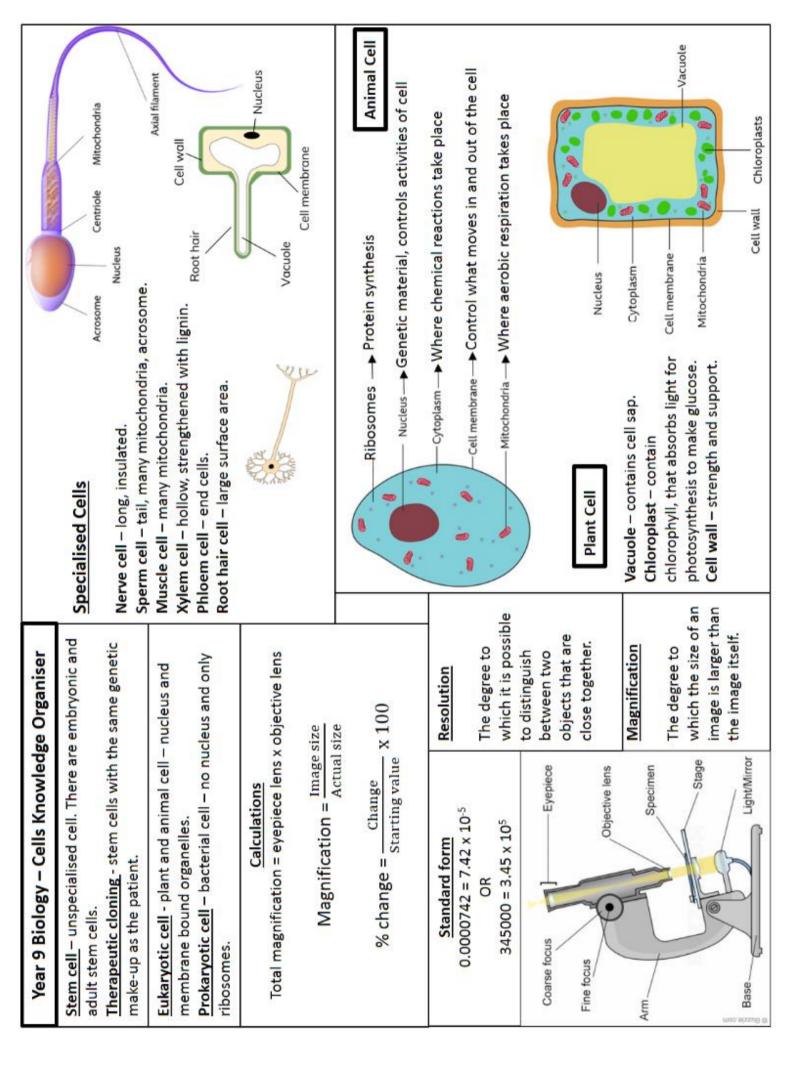
How severe the punishment is depends on the seriousness of the crime. Reformation is an important factor as both the individual and society will benefit. Christians focus on positives sanctions that help offenders change their ways. Under Shari'ah law (Muslim countries follow) the severity of the punishment depends on the seriousness of the crime committed.

Forgiveness

Christians and Muslims believe that forgiveness is important for a living a peaceful life. They do not think it is a replacement for punishment. If the aim of punishment is to reform, the punishment should benefit the offender. When Jesus was being crucified, Jesus forgave those who crucified him. God expects Christians to show forgiveness to others, in turn they believe God will forgive them for any sins they may commit. Muslims believe only God can truly forgive and will forgive those he knows are truly sorry and intend to follow the faith properly in the future.

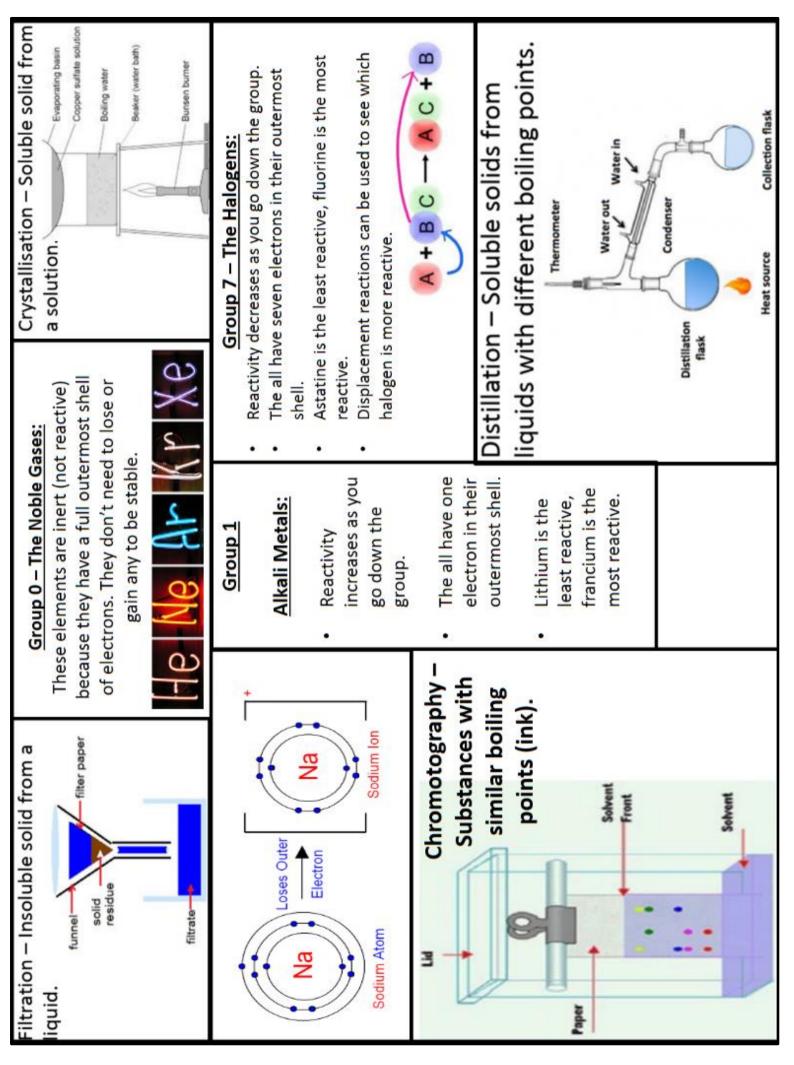
	KEY TERMS
Crime	Breaking the law, which is punishable.
Punishment	Something legally done to somebody as a result of being found guilty of breaking the law.
Evil	The opposite of good; a force or the personification of a negative power. E.g. the devil
Hate Crime	Crimes often involving violence that are usually targeted at a person because of their race, religion, sexuality, disability or gender. Jesus taught to 'Love your neighbour.' This means to show compassion, care and respect to all. Christians believe God created all humans with equal value
Sanctity of life	All life is holy as it is created and loved by God; Christians believe human life should not be misused or abused.
Free Will	The ability of people to make decisions for themselves without constraint
Forgiveness	Showing mercy and pardoning someone for what they have done wrong.
Justice	Making things fair again.
Sin	 Any action or thought that separates humans from God Behaviour which is against God's laws and wishes or against principles of morality
Corporal Punishment	Punishment of an offender by causing them physical pain – now illegal in the UK.

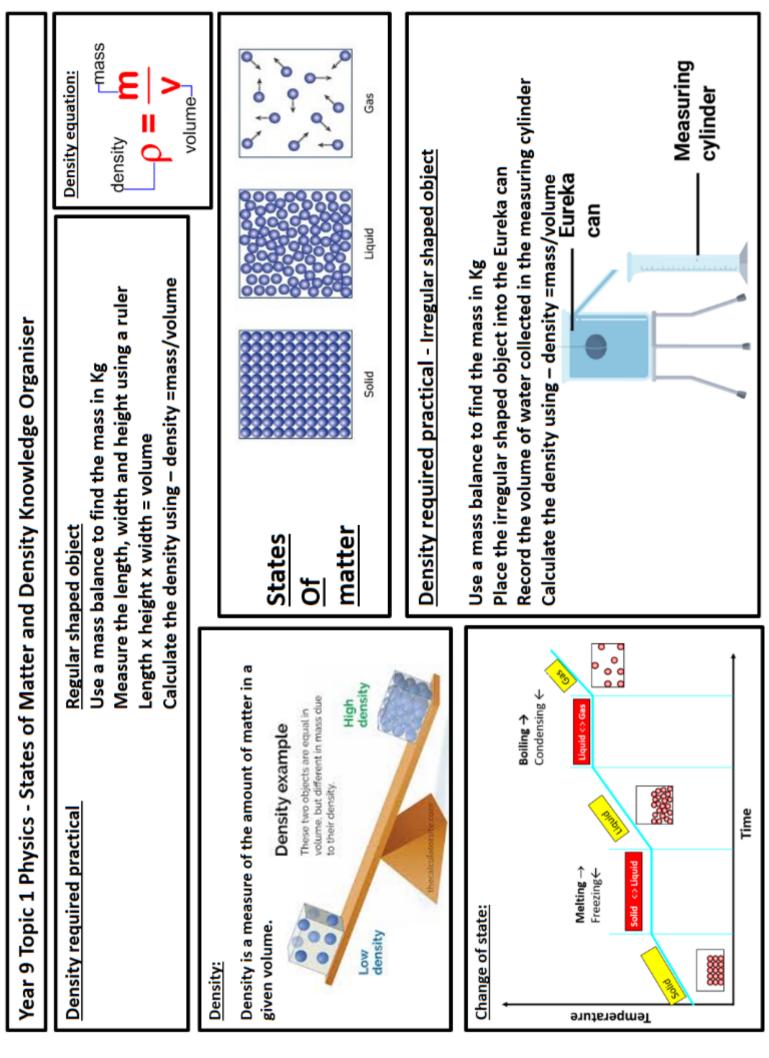
	Key Quotes
The philosophical	"There is neither Jew nor Gentile, slave nor
principle of utility	free, male nor female, for you are all one in
suggests that an action is	Christ Jesus." (Galatians 3:28) Shows equality.
right if it promotes	"Forgive us our sins as we forgive those who sin
	against us."
maximum happiness for the	(The Lord's Prayer) Shows forgiveness.
maximum number of people	"Do not take revengeDo not overcome by
affected by it.	evil, but overcome evil with good.' (Romans
	12:19-21)



<u>Transport</u> Diffusion: Particles moving from high to low concentration.	Transport v concentration	port ation.			Tier 2 \	Tier 2 Vocabulary
Osmosis: Water moving from high to low concentration through a partially permeable membrane.	oncentratic	on through a parti	ally permeable men	ibrane.	Accurate	Estimate
Active transport: particles moving from low to high concentration, through a partially permeable	v to high co	incentration, thro	ugh a partially perm	eable	Investigate	Adapt
membrane, requiring energy.					Evaluate	Research
					Approximate	Focus
Active transport		Osmosis			Specific	Chemical
Enerøv is		1	semi-permeable	e	Gender	Trend
	0 00	Sugar	membrane	-/	Data	Hypothesis
Area of higher I Area of lower against the concentration concentration) a)	molecule			Volume	
concentration gradient.	tion		•	•	Tier 3 \	Tier 3 Vocabulary
ATP		•	•	0	Ribosome	
Active transport	>				Prokaryotic	
currency of cells.	of cells.	Water molecule		Water	Nucleus	
		motion	OSMOSIS	molecule	Stem cell	
					Mitochondria	
Diffusion	Т	Hundonic solution	leatonic colution	Hunartonic solution	Acrosome	
					Chloroplast	
• • • • •		H,O	Н,О Н,О	H,0	Vacuale	
°°°					Xylem	
••••••••••••••••••••••••••••••••••••••	(a) Animal cell			ď	Cytoplasm	
000)		>	Sperm cell	
•		Lysed	Normal	Shriveled	Magnification	
					Derel 4:4	
Chemocomoe		H ₂ O	H20 H20	H ₂ 0	Compete	
Made up of DNA and control out gender			E	P	Microscope	
	(b) Plant	00	00		Active transport	ort
	cell	0	0	R	Eukaryotic	
Gene Cortion of DNA that codes for a specific		Turgid (normal)	Flaccid	Plasmolyzed	Semi-permeable Mitosis	ble
charasteristic					Chromosomes	S
				_		

Atom – The s Element – Or Compound – Mixture – Tw	Atom – The smallest reacting particle. Element – One type of atom. Compound – Two or more different atoms chemically joined together. Mixture – Two or more different substances not chemically joined.	g particle. 1. lifferent atoms erent substanc	s chemically joi es not chemica	ined together. ally joined.	Year 9 Topic 1 Chemistry Knowledge Organiser	1 Chemistry Irganiser
Sub-	Сһагре	Mass	Where		Tier 2 Vocabulary	ibulary
Atomic	0 0 i		Found	LIOIOU	n Filter	Energy
Proton	+1 (Positive)	1	Nucleus	Electron	Symbol	Conservation
Neutron	0 (Neutral)	1	Nucleus		Transfer	
Electron	-1 (Negative)	0	Electron Shell	Neutron		ibulary
					Proton	Neutron
The Law of In a reaction,	The Law of Conservation of Mass: In a reaction, the mass of the reactants is the come as the mass of the	of Mass: le reactants		X X X X Electronic Structure:	Electron	Atom
products. I	products. Matter is not created or	eated or		Energy level 2 = 8	Atomic mass	Atomic number
	destroyed.		×* **	Ar) × × Energy level 3 = 8 × × Energy level 4 = 8	Electron shell	II Periodic Table
<u>Modelling Atoms:</u> J.J. Thompson – Pl	<u>Modelling Atoms:</u> J.J. Thompson – Plum Pudding	udding		**	lon	Chromatography
Model (ball containing I	Model (ball of positive charge containing negative electrons).	harge trons).		**	Distillation	Crystallisation
Rutherford experiment	Rutherford – Gold scattering experiment identified a solid	ering solid	Atomic Mass —	A	Soluble – S	Soluble – Something that will dissolve. Insoluble – Something that will
Bohr – Plac	nucieus with electrons around it. Bohr – Placed electrons in shells	in shells	Protons + Neutrons	Element Name		not dissolve. Solvent – A substance that will
around the pos Chadwick – Dis in the purclaus	around the positive nucleus. Chadwick – Discovered neutrons in the nucleus	eus. neutrons	Atomic Number Protons (which are the	the Z		dissolve something else. Solute – A substance that is
	.cns		same as electrons)	<mark>115</mark>]	•	dissolved.





<u>Specific latent heat:</u> The energy required to change the state of 1 kg of	Calculating Energy Change (Joules) when an object is heated.	Tier 2 Vocabulary Matter
a substance with no change in temperature.	Use the equation E=IVt to calculate the	Particles
<u>Specific latent heat of fusion:</u> Change between solid and liquid state	energy supplied to the metal block. Remember :- Power (Watts) = Potential Difference (V) x Current (Amps) (P=IV)	State Volume Thermal
Specific latent heat of vaporisation: Change		Temperature
between liquid and gas state $\Delta E = mL$	<u>Specific heat capacity:</u> The energy required to raise the temperature of 1	Substance
m = mass (kg)	kg of a substance by 1°C	Tier 3 Vocabulary
L = specific latent heat (J/kg)	$\Delta E = mc\Delta\theta$	Density
ΔE = change in thermal energy (J)	m = mass (kg)	Mass
	L = specific latent heat (J/kg) $A\theta =$ change in temperature (°C)	Evaporation
Specific Heat Capacity required practical	ΔE = change in thermal energy (J)	Condensing Boiling
		0
	The specific heat capacity of water is 4,200 Joules per kilogram per degree Celsius (J/kg°C). This means that it takes 4,200 J to raise the temperature of 1 kg of water by 1°C.	Sublimation Freezing Celcius Potential Kinetic
Immersion Heater	Sadie is experimenting with a model steam engine. Before the 0.25 kg of water begins to boil it needs to be heated from 20°C up to 100°C. If the specific heat	sfore the 0.25 kg of water 00°C. If the specific heat
Thermometer	capacity of water is 4,180 J/kg°C, how much thermal energy is needed to get the water up to boiling point?	energy is needed to get the
<u>Internal energy:</u> The sum of the potential and kinetic energies of the particles in a system	$ \begin{split} E_t &= m \ c \ \Delta \theta \\ E_t &= 0.25 \times 4, 180 \times (100-20) \\ E_t &= 0.25 \times 4, 180 \times 80 \\ \end{split} $	$E_t = 83,600 J$

Unit 1: Somos así - Talking about ourselves
Y9 Autumn Term Knowledge Organiser
Spanish

					How are vou
I ocru these shallings they	the they will be really useful for this unit	te gustan?	like/not like?	celebrar tu	aoina to
and volt will be tested on them	call ulese spellings, uney will be really useful for unis unit and white will be tested on them.	Me gusta(n) (mucho)	I (really) like	cumpleaños?	celebrate vour
1 a menudo	offen	Me encanta(n)/Me chifla(n)	I love		birthday?
2 vov al polideportivo	I do to the sports centre	No me gusta(n) (nada)	I (really) don't like	Mañana	Tomorrow
3. monto en bici	I ride my bike	Odio	I hate	La semana que	Next week
4. vov a ir a la bolera	I'm going to go bowling	el deporte/el dibujo	sport/art	viene	
5. las películas de terror	horror films	el racismo/la violencia	racism/violence	El fin de semana que	Next weekend
· Cámo organizac tu	How do you organico	la música/la tele	music/TV	m	
Cound organizas tu semena?		los animales/los insectos	animals/insects	El mes que viene	Next month
l os lines martes	On Mondavs Tile	los videojuegos	videogames	El nueve de febrero	On February 9th
miércoles ineves viernes		las artes marciales	martial arts.		
l ce finee de comana		los animales	sunbathing	Voy a	I'm going to
Deputés del ineti/tuto/	After school	¿Qué tipo de película te	What type of film do	hacer karting	do go-karting
Despues del Illsu(tuto)		austa?	vou like?	ir a la bolera	go bowling
escribo canciones		las comedias	comedies	ir a un parque de	go to a theme park
juego en mi consola	I play with my console	las nelículas de acción	action films	atracciones	
cocino para mi familia	I cook for my family	los polículos do opimoción	competed films	pasar la noche en	have a sleepover
bailo Zumba	I dance Zumba			casa con mis	
monto en bici	I ride my bike	las peliculas de aventuras		amigos/as	
leo libros/cómics	I read books/comics	las películas de ciencia ficción	SCI-TI TIIMS	sacar muchas fotos	take lots of photos
toco la guitarra/el teclado	I play the guitar/keyboard	las nelículas de fantasía	fantaev filme	jugar al paintball	play paintball
veo un partido de fútbol	I watch a football match	las periodías de tartas	horror filme	Vamos a	We're going to
hago judo/natación	I do judo/swimming	las películas de terrol las películas de superhéroes	sunerhero films	montar en una	ride on a
voy al parque	I go to the park	Mi película favorita es	Mv favourite film is	montaña rusa	rollercoaster
voy al polideportivo	I go to the sports centre	Mi actor/actriz favorito/a es	Mv favourite	ver peliculas de terror	watch horror tilms
soy miembro de un	I'm a member of a		actor/actress is	¡Va a ser genial!	
club/equipo	club/team				
: Con dilé frecilencia?	How often?	Key gram	<u>nmar – The present</u>	<u>Key grammar – The present tense (regular verbs)</u>	S)
(and) today for dias	(almost) aroundary	The present tense is used to talk about actions you do regularly or something you are doing right	talk about actions you de	o regularly or something	you are doing right
(casi) lodos los dias	(almost) every day	now (I play, I am playing)		1	
a menudo	+	To form it: 1 Remove the infi	it. 1 Remove the infinitive AR/FR/IR ending		
dos o tres veces a la semana		2	Add the correct ending from the table below	low	
a veces	sometimes	i			-
una vez a la semana	once a week	Nadar Io swim	Comer 10 eat		

			Kov ara
¿Con qué frecuencia?	How often?		Ney yiai
		The present	The present tense is used to
(casi) todos los días	(almost) every day	vola I) moa	l am plavina'
a menudo	often		
dos o tres veces a la semana	2 or 3 times a week	I o form it: 1	I o torm it: 1. Kemove the int
a veces	sometimes	7	Z. Add the correct
una vez a la semana	once a week	Nadar	To swim
siempre	always	nado	l swim
todos los fines de semana	every weekend	nad <mark>as</mark>	you swim
una vez al mes	once a month	nad <mark>a</mark>	(s)he/it swims
dos veces al mes	twice a month	nadamos	we swim
los domingos por tarde	on Sunday evenings	nad <mark>áis</mark>	you pl. swim
los sábados por la mañana	on Saturday mornings	nad <mark>an</mark>	they swim

(s)he/it live

you live

vives

vivo

I live

you pl. live they live

we live

vivimos

vive

(s)he/it eats

you eat

comes

como

come

eat

viven

vivís

you pl. eat they eat

we eat

comemos coméis

comen

los sábados por la mañana

Unit 2: ¡Oriéntate- Talking about work
Y9 Autumn Term Knowledge Organiser
Spanish

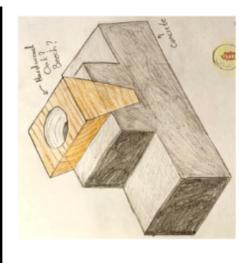
.

Kev Spe	Kev spellings 2							
I earn these snallings they will he really	they will be really	et en h?	¿utue te gustaria nacer :	What we	what would you like to do ?	Т	¿une upo de persona	what type of person
Leant urese spennings, urey will be really useful for this unit and vou will be tested	, urey will be tested			I would like to	ke to		eres?	are you?
on them	י אחת אווו הם ופסופת		aría	I wouldn't like to	like to	ш	En mi opinión, soy	In my opinion, I am
1 tendo di la	I have to	trabajar en el aire libre	el aire libre	work outside	ide	5	Creo que soy	I think that I am
2 organizado/a	organisad	 trabajar con 	trabajar con animales/niños	work with	work with animals/kids	c	muy/bastante	very/quite
2. Ulyanızauula 2. trohoior	to work	trabajar en e	trabajar en equipo/ sólo/a	work in a t	work in a team/alone	Ø	ambicioso/ <mark>a</mark>	ambitious
 II aluajai A secribo correce 	Lo work	 trabajar en una oficina 	ina oficina	work in an office	1 office		práctico/a	practical
4. escribo correos	I WILLE EITIBIIS	hacer un trabajo	bajo	do a creat	do a creative/manual job		organizado/a	organised
o. escuche musica	I listened to	creativo/manual	nual				trabajador <mark>(a)</mark> /	hard-working
<i>i</i> En aué	What's vour	Por eso, me	Por eso, me gustaría ser	For this n	For this reason, I would like		hablador(a)	chatty
trabajas?	iob?			to be		=.	independiente	independent
Sov	l am	cantante/periodista	riod ista	a singer/journalist	ournalist	-=	inteligent e	intelligent
camarero/a	a waiter/waitress		enfermero/a/mecánico/a	a nurse/mechanic	echanic	4	pacient e	patient
cocinero/a	a chef	\top	inario/a	a police officer/vet	fficer/vet	S	sociabl e	sociable
iardinaro/a	a dardener	profesor(a)/diseñador(a)	diseñador(a)	a teacher/designer	designer/	-	responsabl e	responsible
parunero/a	a yarucrici a hairdracear		¿Te gusta tu trabajo?		Do you like your	ur	¿Qué tal ayer en el	How was work
					job?		trabajo?	yesterday?
dependiente/a	a snop assistant		Me gusta (mucho) mi	-	(really) like my job		Por la mañana/Por la	In the
limpiador(a)	a cleaner		trabajo				tarde	morning/afternoon
recepcion ista	a receptionist		No me gusta (nada) mi	\vdash	I don't like my job		A la hora de comer	At lunchtime
¿ Qué tienes que hacer?		What do vou have to	trabajo		(at all)		bebí una botella de coca	I drank a bottle of Coke
		do?	porque es	peq	because it is	8	comí una hamburguesa	I ate a hamburger
Tendo que	I have to		creativo/fácil	CLE	creative/easy	p	dormí un poco	I slept a bit
avudar a los clientes		tomers	estresante/interesante		stressful/interesting		escuché música	I listened to music
cortar el pelo a los clientes	\vdash	s' hair	monótono/repetitivo		monotonous/repetitive		escribí SMS	I wrote texts
hablar por teléfono	\vdash	le phone	práctico/variado	pra	practical/varied	ha	hablé por Skype	I spoke on Skype
limpiar habitaciones	clean rooms	ms	Mi jefe/a es severo/a		My boss is strict		jugué a un videojuego	I played a videogame
preparar comida	prepare food	food	Los clientes (no) son		The customers are		llegué tarde al trabajo	I arrived late to work
servir en el restaurante		serve in the restaurant	simpáticos		(not) nice		perdí mi trabajo	I lost my job
vender productos en la		sell products in the			Key gra	mmar – T	Key grammar – The preterite tense (regular verbs)	regular verbs)
tienda	shop			Us	e the preterite	to talk abou	Use the preterite to talk about past actions (I went, I ate, I swam)	ate, I swam).
¿Cómo es un día típico?	día típico?	What's	What's a typical day like?	To	form it: 1. Ren	nove the inf	To form it: 1. Remove the infinitive AR/ER/IR ending.	
escribo correos		I write emails			2. Add	d the appro	Add the appropriate ending using the table below.	table below.
hago reservas/entrevistas	vistas	I do reservations/interviews	ns/interviews	Ba		To dance	Comer/Subir	To eat/To climb
organizo excursiones	s	I organise trips		bailé		Idanced	comí/subí	I ate/climbed
preparo el programa		I prepare the program	rogram	bai	ste	vou danced	comiste/ subiste	vou ate/climbed
trabajo con mi equipo	0	I work with my team	team	bailó		(s)he/it danced		s(he)/it ate/climbed
viajo mucho		I travel a lot		bai	sou	we danced		
voy a la oficina		I go to the office	e	bai		vou pl. danced		6
hablo inglés y español	lo	I speak English	speak English and Spanish	bai	bailaron they	they danced		\vdash

			Same	and the second sec		Not a second		ting ves, style An Initial ideas page
Year 9 – Knowledge Organiser – Design & Technology – DESIGN	Example of	developing a design MM P P P P P	and terminal and the second		The second	E SHA BE		DESIGN MOVEMENTS Design movements are periods in time where a certain style of design was provide a starting prevalent, it's important to know about these movements as they provide a starting point to base your product on or just provide inspiration. Image: Design movements are periods in time where a certain style of design was provide a starting point to base your product on or just provide inspiration. Image: Design movements as they provide a starting point to base your product on or just provide inspiration. Image: Design movements as they provide a starting point organic, flowing natural forms. Undulating lines, dynamic curves, and powerful arches stand in contrast to the geometric, functional style and powerful arches stand in contrast to the geometric, functional style and powerful arches stand in contrast to the geometric, functional style of buildings, furniture, jewellery, fashion, transport, and everyday Image: Formation influenced the design that first appeared in France just before World War I. Art Deco influenced the design of buildings, furniture, jewellery, fashion, transport, and everyday Image: Formation influenced the design for the design history. Over two decades, Postmodernism is aftered established ideas about art and design, bringing a new self-awareness about at and design, bringing a new self-awareness about style itself.
wledge Organiser – Des	Design and Technology Specific Language and Terms	A statement of intent for a project, created with an end user in mind. A design brief should primarily focus on the results and outcomes of the design.	A list of rules to follow when designing, a specification point is the result of research into the requirements of a project	To use existing designers, media, products, time periods etc. to create, change and adapt a design. To be influence by.	A period in time where a certain style was prevalent. (see examples below)	The creation of multiple ideas, considering different ways of fulfilling the design brief	To work on, add to, an improve an idea via ongoing research, and seeking further influence or understanding of an outcome.	Movements Timeline too too too too too too too too too too
Year 9 – Kno	Design and Te	Design Brief	Specification	Influenced by	Design Movement	Initial Ideas	Development	Design

Year 9 – Knowledge Organiser – Design & Technology – DESIGN

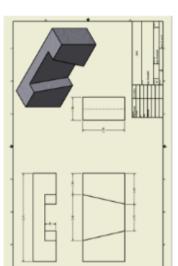
Design	Design and Technology Specific Language and Terms	
CAD	Computer Aided Design	
lsometric Drawing	An isometric drawing is a type of 3D drawing that is set out using 30-degree angles. It's a type of drawing in which the same scale is used for every axis, resulting in a non-distorted image.	
Oblique Drawing	A item is drawn in 2D in the correct proportions, it is then forced into 3D by projecting lines out at 45 degrees.	Isometric Drawings
Orthographic Drawings	2D drawings drawn in detail and to scale. Orthographic projections provide 3 views, front, side and plan.	Oblique Drawing
Working Drawing	An accurate drawing providing all information required to make a product. Usually presented as an isometric or orthographic drawing.	
Parts List	Goes with a working drawing and breaks a design down into its individual parts, stating what it is to be made from and the quantity required of each part	Working Drawing



WOLVEN DR

NULL VIEW





Year 9 – Kn	owledge	Year 9 – Knowledge Organiser – Desigr	Design	ו & Technology – TOOLS/MACHINERY	/ – TOOLS	%MACH	INERY
HAND TOOLS	SIO		MACHINERY	ERY		CUT	CUTTING
	Bench Hook		Milling machine	 Removes material a thin layer at a time Can be used to ensure an absolutely flat surface. Very accurate 		Scroll Saw (Hegner)	 Thin blade allows for intricate curves to be cut in timber a plastic sheet material
	Coping Saw (timber/plastic)			 Used to 'turn' material (rotates) A tool or bit is used to 			 Spinning cutting tool removes wood as in is move along a
1	Tennon Saw (timber)		Lathe	shape the rotating material • There are wood and engineers (metal) lathes		Hand Held Router	 surface Used to create slots, grooves or fancy edges
	Hacksaw (metal)	*	Buffer / Polisher	 Used to polish metal or plastics to a high shine 	Ó	Jigsaw	Used to make straight or curved cuts in all materials
ľ.					4-)	 places and speed can be changed to suit material
	6 Clamp		Disc	 Rotating abrasive disc removes material 	D		 Blade is one continuous flexible loop
	Woodwork Vice		Sander	Used for timber and plastics		Bandsaw	 Mainly used for timber but blades can be changed to cut plastics Can cut straight or curved lines
		N		 Used to apply heat along an area of thermoforming 			
Z	Hand Clamp	and the second	Strip Heater	plastic allowing it to be bend along a line Process is called line bending	a hot	Table Saw	 Circular blade rotates through the table surface Used to make straight cuts only Mainly used to cut boards to size
				A rotating drill bit can be			
	Glass Paper		Pillar Drill	lowered into a work piece to create holes Work musk be secured to the table.	R	Laser Cutter	 Can be used for multiple thin materials Requires designs to be created on a computer first

Year 9 – Knowledge Organiser – Design & Technology – MATERIALS

	Plas	Plastics				Timber	
Type	Example of	Advantages	Disadvantages	Type	Example of	Advantages	Disadvantages
Acrylic	Thermo- forming (shaped with heat)	Available in many colours and styles Weather proof Can be laser cut	Brittle Scratches easily Made from oil - unsustainable	Pine	Softwood	Cheaper More sustainable as faster growing Widely Available	Knotty Can be weaker than hardwoods Less durable
Epoxy Resin	Thermo- Setting (Can only shape once)	Hard wearing Can be mixed with pigments/powders to create effects Will not burn	Nan recyclable Gives off fumes Made from oll - unsustainable	Oak	Hardwood	Good aesthetic Extremely durable	Generally harder to cut and shape
Type Steel	Example of	Metals f Advantages Relatively cheap	Disadvantages Rusts	Mahogany	Hardwood	Easy to maintain High strength	lance expensive Less sustainable as slower growth rate
	(Contains Iron)	Widely available Strong/Tough	Requires a surface finish	Plywood	- 200 - 200	Available in large	More expensive
Aluminium	Non-Ferrous (Does not contain iron)	Daes not rust Lightweight Easy to cut and shape	Relatively expensive	and the second s	Manufactured Board	Good strength and durability Can be laser cut	than other board options Edges can splinter



3D Printing uses PLA or PVC plastic on a reel. This is heated and used to print a thin layer at a time

Ivbe	Me Example of	Metals f Advantages	Disadvantaaes
Steel	Ferrous (Contains Iron)	Relatively cheap Widely available Strong/Tough	Rusts Requires a surface finish
Aluminium	Non-Ferrous (Does not contain iron)	Does not rust Lightweight Easy to cut and shape	Relatively expensive
Copper	Non-Ferrous (Does not contain iron)	Good conductor of heat and electricity	Corrodes Relatively expensive
Pewter	Alloy (Mix of multiple metals)	Does not rust Low melting point for easy casting Polishes to a high shine	Relatively expensive Heavier than alternatives

Year 9 – Knowledge Organiser – Design & Technology – PROCESSES / H&S

Ηe	Hes Hes	Ris			
	the vacuum bed ilm (usually HIPs) is nd heated until soft eated plastic a vacuum, pulling the a mould and becomes rigid.	ed into a mould negative shape within plastic buckets and lirs.	Two leaves	cast in pewter	
Shaping Plastics	 A mould is placed onto the vacuum bed A thermoforming sheet or film (usually HIPs) is clamped above the bed and heated until soft Bed is lift into the heated plastic All air is sucked out creating a vacuum, pulling the plastic over the mould Moulded plastic then cools and becomes rigid. 	 Molten material is forced into a mould Tool steel moulds have the negative shape within them. Used to create items like; plastic buckets and school chairs. 	 Used to shape aluminium Used to shape aluminium and tin Flat sheet material is marked up and bent one fold at a time. Joins can be riveted, soldered, brazed etc. 	 Process is called Line Bending A heating element softens a thermoforming plastic (acrylic) along a line. This can then be bent to shape and held in place until cooled 	 Woods can be bent by laminating Thin strips are glued together and held in a jig to keep them in the desired shape. Once set the item is removed from the jig and trimmed to size.
Shaping	Vacuum Forming	Injection Moulding	Bending Materials Sheet metal folder	Strip Heater	Lamination
	hadd thereoforning vacum had more up fattic more up more up and leftin more up to the second out to the second fattine more than the second below to the second below the seco	Here Planc gradin Model in Add	Bendin	Strip	Lam

	Wear A
Safetv	
త	
Health	

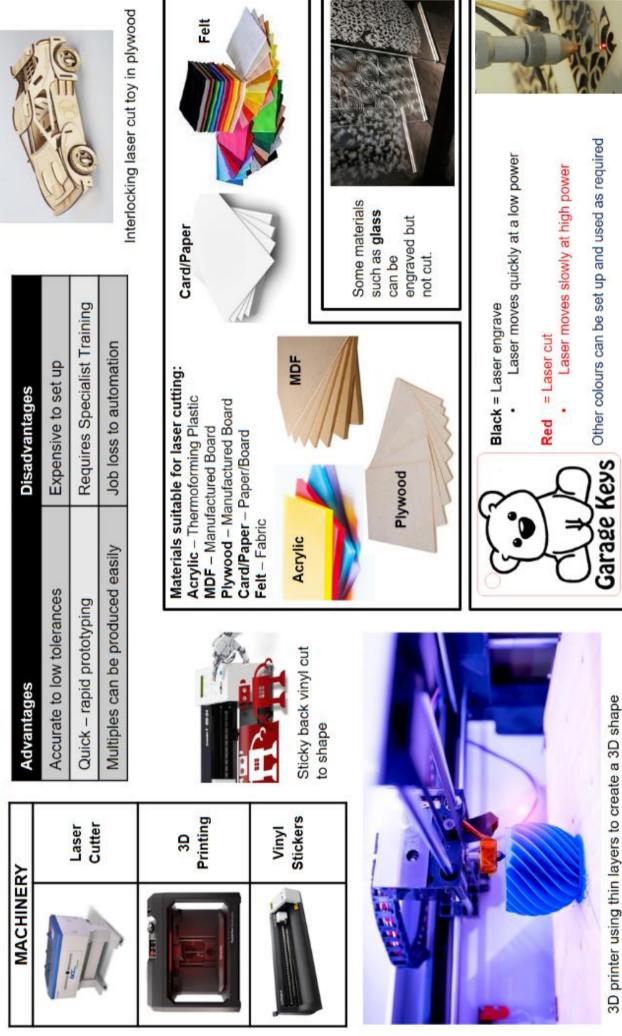


Design and Technology Specific Language and Terms

Health and Safety	Anything to do with a persons wellbeing in any given situation. From sitting at a computer for long periods to operating machinery.
Risk Assessment	A document that considers all risk to a person/s carrying out a task, and all control measure put in place to minimize or remove risk to health, this could be training, following certain rules or using PPE
PPE	Personal Protective Equipment Googles, aprons, dusk masks, gloves
Extraction	Can be dust extraction when using machinery or fume extraction when gluing or painting.

Year 9 – Knowledge Organiser – **Design & Technology – CAM**

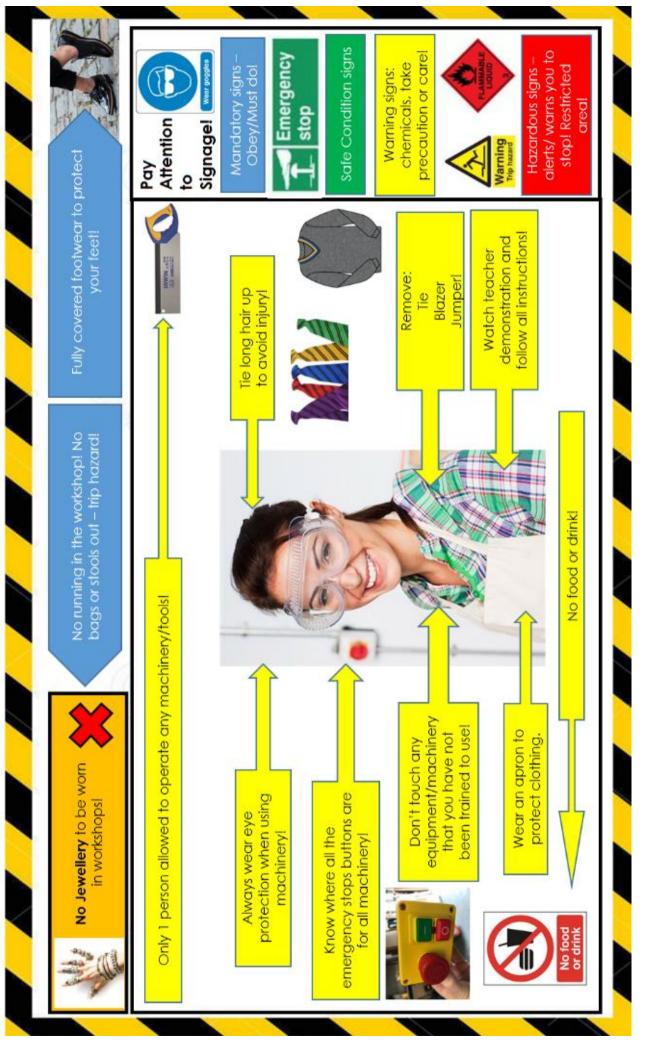
COMPUTER AIDED MANUFACTURE



Paper and Board

in sheet , f	Standard Sizes and Forms: ble in sheet, ply or rolls. Colou	Standard Sizes and Forms: Paper is available in sheet, ply or rolls. Colours. Size A0-A1 used in schools.	The weight of paper and c (the thickness of paper – c	GSM: The weight of paper and card – GSM Gram Square Metre (the thickness of paper – card). Normal paper is 80gsm .	
Cartrid Paper Drawing etc. Lightly in colour/ 125-150	Cartridge Paper Drawing and painting, leaflets etc. Light in colour/white 125-150gsm	Grid Paper Scale drawings, scientific diagrams. White paper with a printed grid of squares or dots. Isometric lines or patterns/dots 80-100 gsm.	Corrugated Cardboard Packaging. Two layers of lightweight card, containing a fluted, triangular layer for strength. Thermal - keep food hot. Can be printed on - businesses logos Protects expensive products. Recyclable. 250gsm.	Duplex Board Food and drinks packaging due to waterproof lining inside. Two layers of card bonded together. One side is bleached, white and glossy/waxy coated for printing. This type of card is used by the food industry and consequently recycled card is not used in its manufacture.	Cardboard & Paper Only Cardboard & Paper Only Cardboard: Greeting cards, quality packaging and book hardback covers. High quality expensive card. Brilliant white.
A A A A A A A A A A A A A A	<pre>(1189mm / 1189mm / 1180mm / 1180mm</pre>	A1 ^{594 X 841mm/} 23.4 X 33.1 [*]	How many times can paper be recycled? Paper can be recycled as many as seven times. Each time it is recycled, the fibres get broken into shorter fibres. If recycled too many times, the fibres become too short weak to use for making paper again.	How many times can paper be recycled? Paper can be recycled as many as seven times. Each time it is recycled, the fibres get broken into shorter fibres. If recycled too many times, the fibres become too short and weak to use for making paper again.	bridger and wood polp - brilliant white. Smooth finish on both sides. It is the best card for printing on.

Health and Safety Rules in the D&T Workshop!



Notes Page

Notes Page