



## Year 10 scheme of learning - Medicine Through Time

Time	Content	Key Question	Teaching Suggestion	Key person, word, theme Art, cit, lit, ent	Resources
1	Overview of time periods	How has medicine changed over time?	List time periods. Match to pictures. Discuss factors that cause change.	Progress and regress	Pictures on flipchart
1	Prehistoric	What was the role of chance, luck and the supernatural?	Watch trepanning clip Create a job advert for a medicine man p11 Use p.9 to complete chart page 8	Trepanning Medicine man Chance	Trepanning clip D&C
2	Egyptian	Why did the Egyptians contribute more?	Elicit ideas from ppt Pages 10-11 Wilkes to create spider diagram of factors Story board of embalming 14-15 Wilkes Blocked channels 19 D&C Sekhmet p18 D&C	Sekhmet Embalming Anatomy Blocked channels	Ppt Wilkes D&C

### Medicine Assessment 1: Prehistoric and Egypt

Advances were made in medicine in both the Prehistoric and Egyptian periods.

**(a)** Briefly describe the main advances in medicine during the Egyptian period. [5]



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(b) Explain why medical advances were made during the Egyptian period. [7]

(c) How far do you agree that most medical practices stayed the same between the Prehistoric and Egyptian periods. [8]

Spelling, punctuation and grammar [3]

3	Greek	What were the supernatural beliefs?	Asclepius pictures - what are they? Role play visit to an Asclepion.	Asclepius, Hygeia, Panacea Supernatural Art	Pictures D&C p24-25
		Is Hippocrates the father of modern medicine?	Match up four humours with seasons and elements	Humour Bile Hippocrates	Flip chart and card sort
			Other contributions show clip, ppt and read p20-23, answer question 3	Hippocratic oath Observation natural Lit	Wilkes ppt Clip
3	Roman	Why were the Romans so good at public health?	Public health ppt and Rome clip. Use M&D p 25-27 to design a public health leaflet	Public health Aqueduct Government War	Ppt and clip
		How important was Galen?	Gladiator clip, Roman op and Galen clip for his work on anatomy and pig experiment. Ppt to work through.	Opposites Religion War Galen	Clips Ppt D&C



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			<a href="http://www.bbc.co.uk/learningzone/clips/the-story-of-galen-in-the-roman-period/3304.html">http://www.bbc.co.uk/learningzone/clips/the-story-of-galen-in-the-roman-period/3304.html</a> Opposites D&C p44		
<b>Medicine Assessment 2: Roman (source paper)</b>					
6	Middle Ages	Was this the worst time period to live in?	Groups produce estate agent details for York in Roman, Saxon, Viking, Norman, Renaissance, 19 <sup>th</sup> century and present day. Include houses, sewage, water supply and streets. Feedback advertising your period to decide which was healthiest.	Regress Arts	D&C 58-61 98-99 140-141 (and year 8 textbooks)
		What was public health like in the Middle Ages?	Where's Wally p67 D&C London picture on system Draw pictures p38 M&D	pillory	D&C M&D London picture
		Why were the Middle Ages a period of regression?	Produce factors diagram using ppt and pages 56-57 D&C	War Government Religion	D&C ppt
		What was the role	'Bring out your dead' clip	flagellants	Clip



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		of religion in the plague of 1348?	Map, ppt. 'Survive the Plague' booklet		M&D 52-3 Wilkes 54-56
		Who looked after the sick in the Middle Ages?	Role of monks and nuns Wilkes pages 48-51 and questions	Monks Nuns Religion	Wilkes
		Medieval Cures and Diagnosis	Urine diagnosis Make two medieval cures (see Wm)		Volvelle (see Wm)
		What was Islamic medicine like in the Middle Ages?	Wilkes pages 40-1 and questions		Wilkes 40-1
6	Renaissance	Why was the Renaissance a period of progress?	Pictures M&D p 55. What's changed? Removing bladder stone clip Vesalius use clip and ppt to discover what he did and how he managed to challenge Galen. M&D 56-57 and tasks	Technology Vesalius	Clips Ppt M&D
			Harvey - do his arm experiment, watch clip and complete task M&D p61 <a href="http://www.bbc.co.uk/learningzone/clips/william-harveys-">http://www.bbc.co.uk/learningzone/clips/william-harveys-</a>	Harvey Technology Circulation	Clip M&D



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			discoveries/3309.html		
			Pare - uses of oil. Ppt + Battlefield surgery clip, complete task p59	Ligature Turpentine cauterise	Clip Ppt M&D
			Revision Who made the greater contribution? Produce a display		
		How far were natural explanations accepted in 1665?	Clips and p98-99 for practical actions taken, p97 for supernatural explanations Compare with 1348	Watchman examiner searcher	Clips D&C
		What were Quack Doctors?	Say, say, say music video. D&C 104, 122		D&C 104, 122

### Medicine Assessment 3: Factors

Many different factors have helped medicine develop.

**(a)** Briefly describe how chance has helped medical development. **[5]**

**(b)** Explain how religion has led to developments in medicine. **[7]**

**(c)** 'Governments have been more important than individuals in bringing about developments in medicine'. Explain how far you agree with this statement. **[8]**



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### Spelling, punctuation and grammar [3]

2	Jenner	Why was he unable to explain?	Story of James Phipps and experiment. Ppt and Wilkes 80-82 Why was there so much opposition to him? D&C 118	Inoculation Vaccination Smallpox cowpox Jenner	Ppt Wilkes Picture D&C
1	19 <sup>th</sup> century	What improvements were made in nursing?	D&C pages 126-127/Wilkes 106-111 make notes on nursing before and after Nightingale. Research Mary Seacole for homework	Nightingale Seacole	D&C Wilkes
3		Germ Theory	Pasteur and the germ theory. Draw flow diagram Wilkes 85-87	Germ theory technology	Wilkes
			Koch purple dye and anthrax. Ppt,clip D&C130	Technology war	Clip D&C
			Pasteur and chicken cholera vaccination. Picture board p131, q 1 Anthrax vaccination draw diagram to show sheep 132	vaccination	D&C
2		What improvements	Hannah Dyson's ordeal and	infection	Video



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		were made in surgery?	picture and sources to describe surgery D&C p.134. Use modern clip to compare <a href="http://www.bbc.co.uk/learningzone/clips/surgery-in-the-19th-century/3322.html">http://www.bbc.co.uk/learningzone/clips/surgery-in-the-19th-century/3322.html</a>		D&G
			Simpson and chloroform Progress or regress? Describe discovery D&C 135-137. What were the drawbacks? Why was there opposition?	Anaesthetic Simpson	D&C
			Lister and antiseptic surgery. Clip, describe discovery and success	Antiseptic Carbolic acid	D&C p138-139
1	19 <sup>th</sup> Century Public Health (Paper 2)	The state of public health in the first half of the nineteenth century	Draw and label house from Aylett. Problems of water and sewage Changing Minds and Wilkes 90-91	Public health Cholera Typhoid Typhus	Changing minds Aylett Wilkes
3		Demands for reform and reaction to these demands	Chadwick's 1842 Report and the Public Health Act 1848 - ppt and Wilkes 93-94 q3	Laissez-faire miasma	Ppt Wilkes
			Snow and cholera ppt		Ppt



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			including clips on Bazelgette. How did Snow make his discovery? Map and sources D&C 142-3		D&C
			Cholera epidemics of 1831-2, 1848, 1853 and 1866. Great Stink of 1858 Germ Theory 1867 Reform Act		
1		The beginnings of reform	<u>Public Health 1875-1900</u> <u>ppt.</u> Public Health Act of 1875 Disraeli's reforms: Artisans' Dwellings Act, Rivers Pollution Prevention Act, Food and Drinks Act? Joseph Chamberlain and slum clearance in Birmingham. Model Villages (Port Sunlight and Bournville)	Government compulsory	Ppt.
1		The need and pressure to reform	<u>Public Health 1900-1914</u> <u>ppt.</u> Reasons for change: Charles Booth		Ppt. Liberal reforms photocopies





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			Seebohm Roundtree Workhouses Boer War Threat from the Labour Party. German reforms. Workhouses? New Liberalism?		(on system and in filing cabinet). Alternative Liberal reform photocopies in filing cabinet.
1		The Liberal welfare reforms of 1906-1912	<u>Public Health 1900-1914 ppt.</u> Lloyd George and Churchill. 1910 "People's Budget". <u>The Young:</u> Free school meals (1906) School medical inspections (1907) School clinics (1912) <u>The elderly:</u> Pensions (1908) <u>The sick and unemployed:</u> Labour Exchanges Act (1909) National Insurance Act (1911-12) Reasons for resistance to		Ppt. Liberal reforms photocopies (on system and in filing cabinet). Alternative Liberal reform photocopies in filing cabinet.



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			change.		
1		Public Health Summary	Card sort and timelines		Card sort A3 timelines
2		Paper 2 Exam Skills	Source activities Assessment paper (can be annotated prior to assessment)		Source activities on system. Stick in copies to pupils' books. Assessment papers.

### Medicine Assessment 4: Nineteenth Century Public Health (source paper)

7	20 <sup>th</sup> century	How were magic bullets discovered?		Salversan 606 Prontosil sulphonamides	D&C
		What was the impact of World War I on medicine and health?	Show All quiet on the Western Front clip to remind pupils of conditions. Medicine and WWI ppt and draw spider diagram p91 M&D	x-ray blood transfusion shrapnel war	Ppt M&D
		The ultimate magic bullet: Penicillin?	Fleming's discovery and the unluckiest man in medicine produce a flow chart M&D 98-99	Penicillin technology	M&D



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		How did war help the development of penicillin?	Saving Private Ryan to illustrate D-Day. Florey and Chain. Ppt and timeline p100. Factors diagram 101	Government War	M&D Ppt Film
		Why did WWII lead to care 'from the cradle to the grave'?	Beveridge and the five giants. Draw and label each one use ppt to label how each has been slain	Government War	
			Bevan and the NHS. Ppt to show impact. Opposition p168	Government NHS	D&C ppt
		How did medicine change in the 20 <sup>th</sup> century?	Game Born in 1900. Complete tasks and write up life	Lit	Game board
2	21 <sup>st</sup> century	What are the problems for medicine today?	Brainstorm and draw pie charts 170-171 Can we help ourselves? Public Health 177	Cancer Obesity AIDs MRSA cit	M&D 170-177
1	Overview of changes	How has a germ's happiness been affected by changes?	Complete germ lifeline. Add three of own examples. Turn into living graph	Germ lifeline sheet	

**Medicine Assessment 5: Causes of disease**



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In the history of medicine there have been many different ideas about the causes of disease.

(a) Briefly describe the Theory of the Four Humours. [5]

(b) Explain why religious beliefs were used to explain and treat illness in the Middle Ages. [7]

(c) How far do you agree that Pasteur was more important than Koch in fighting disease in the nineteenth century? Explain your answer. [8]

 Spelling, punctuation and grammar [3]