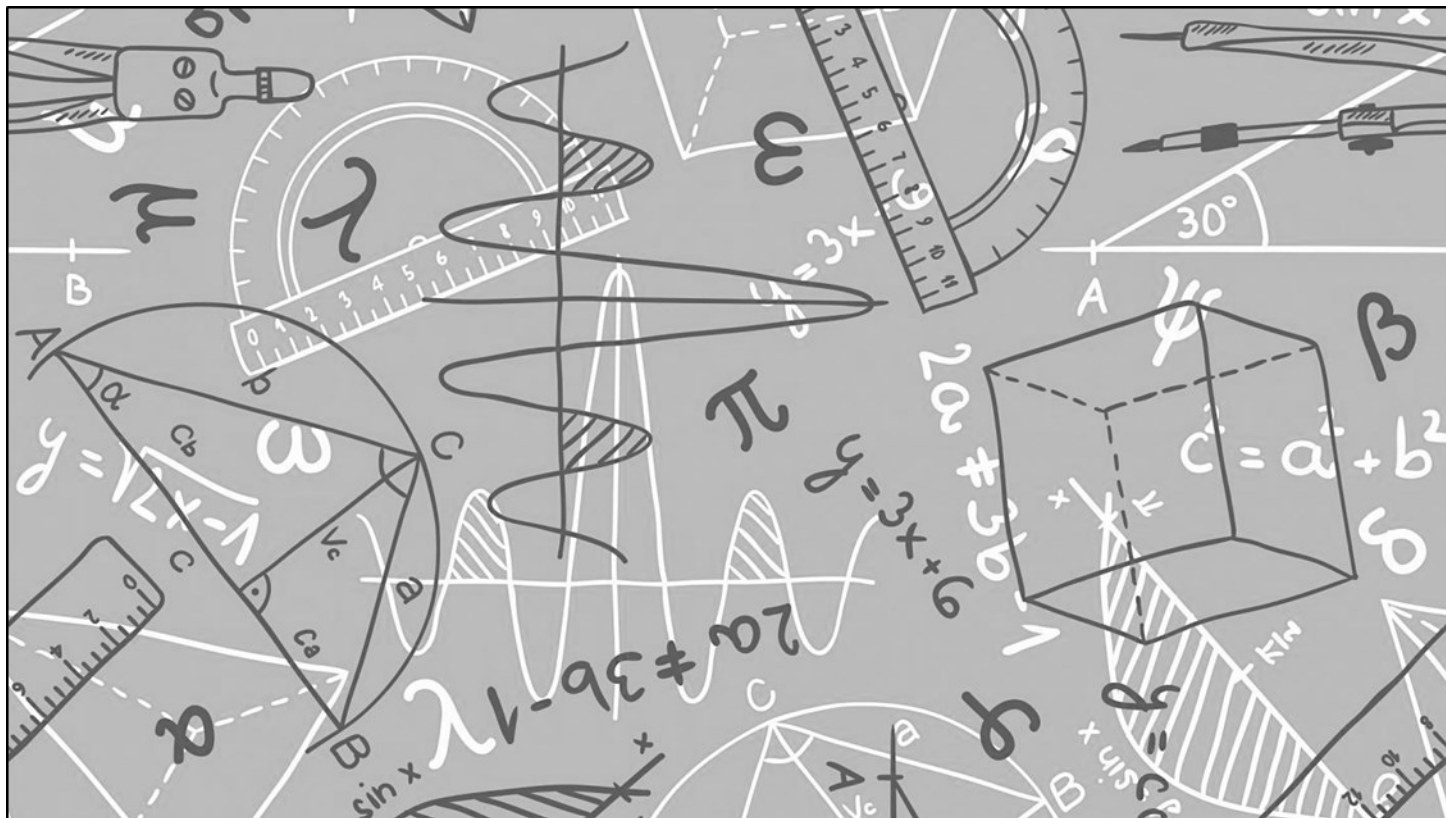


# Maths



We can't wait to meet you

«First name REQUIRED» «Last name REQUIRED»

«Maths Class REQUIRED»

All the Maths teachers at Springwood High School are very much looking forward to meeting you. Normally at this time of year you find out about us, we find out about you and together we do some maths. Unfortunately, due to the usual transition activities being cancelled, we won't meet in person, however hopefully by completing this booklet you will be able to "meet" some of the Maths department at Springwood High School, research some of their favourite mathematicians and do some maths, either on your own or with your family.

# Meet the department...

In the Maths department we have 18 Maths Teachers, 2 learning mentors and a Maths teaching assistant. We have created a little treasure hunt for you. Some of them have shared their favourite number and favourite mathematician with you. When you join us, bring this page with you and try to find as many of these members of staff as possible and ask them why they chose these numbers and mathematicians as their favourite. They will then sign it. Once you have this page complete, hand it into the maths department and you will then get 5 achievement points!

**Ms Loizou**

**Favourite number**

6

**Favourite Mathematician**

Sophie Germain

Signed:.....

**Mrs Jordan**

**Favourite number**

4

**Favourite Mathematician**

Fibonacci

Signed:.....

**Mr Barrett**

**Favourite number**

2

**Favourite Mathematician**

George Dantzig

Signed:.....

**Miss Cook**

**Favourite number**

$\pi$

**Favourite Mathematician**

Hannah Fry

Signed:.....

**Miss Brown**

**Favourite number**

5

**Favourite Mathematician**

Hypatia

Signed:.....

**Mr Rawling**

**Favourite number**

28

**Favourite Mathematician**

Gerolamo Cardano

Signed:.....

**Miss Mckenzie**

**Favourite number**

6

**Favourite Mathematician**

Archimedes

Signed:.....

**Miss McEvoy**

**Favourite number**

11

**Favourite Mathematician**

Matt Parker

Signed:.....

**Mr Wells**

**Favourite number**

23

**Favourite Mathematician**

Alan Turing

Signed:.....

**Mrs Bunting**

**Favourite number**

6

**Favourite Mathematician**

Katherine Johnson

Signed:.....

**Mr Coote**

**Favourite number**

5

**Favourite Mathematician**

Archimedes

Signed:.....

**Mr Levy**

**Favourite number**

26.2

**Favourite Mathematician**

Pythagoras.

Signed:.....



When you come to Springwood high school, you will be using the Times Tables Rock stars website to practise your times tables and to take part in competitions between each other, between form groups and between other schools.

But why wait until then? We have created your login details already and we have your first competition that has just been launched! We would like you to log onto Times Tables Rock Stars and complete as much of it as you can. The form group with the most number of points will receive a prize, as will the student with the most number of points in the year group.

To log in, go to <https://play.ttrockstars.com/login/1787> and enter these details

**School: Springwood High School**

**Username: «Username (best not to use first names only because usernames must)**

**Password: «Password (best not to give everyone the same one) REQUIRED»**

**Please remember not to share your login details.**

Rock and roll!

If you have any difficulties logging in or questions about TT Rock Stars in general, please email [maths@springwoodhighschool.co.uk](mailto:maths@springwoodhighschool.co.uk)

## **FAQs**

**I seem to be getting questions up to 12x12**

**- why is that?**

Assuming that's not intentional, make sure you're playing in the Garage or Arena to get the tables we've set for them.

**Why can't I login?**

The most likely cause is that one of the three bits of information (school, username or password) hasn't been entered as above.

**I have chosen a rock name that I'm unhappy with - how do I change it?**

Ask the Maths Department to reset your rock name so you can choose again when you login.

**I am unhappy with the look of my avatar -**

**what can be done?**

Everyone starts with the same avatar, no matter what

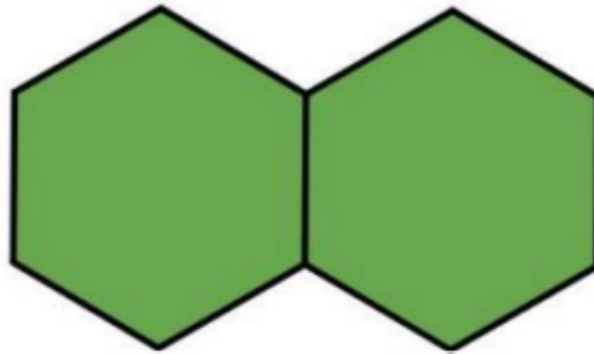
rock name they've chosen. Simply change the hair, eyes and mouth to suit you.

**Someone has logged in as me and spent a**

**load of my coins - what can we do?**

Let the Maths Department know so that they can refund you and change your password.

# A Hexagon Problem



Heather can make two connected hexagons by drawing 11 lines.

What is the minimum number of lines Heather needs to draw 12 hexagons?

Extension: What numbers of hexagons are the most efficient to draw and why?

*This problem is taken from [puzzleoftheweek.com](http://puzzleoftheweek.com). If you enjoy doing puzzles then have a go at the weekly problems on this website.*

Completed our booklet? That's incredible! Well done!

Check out [nrich.maths.org](http://nrich.maths.org) for more problems to get you thinking.

Or research some of the famous mathematicians that have been mentioned in this booklet and create a poster that we can put on display.

If you have any questions, please do not hesitate to email us  
**[maths@springwoodhighschool.co.uk](mailto:maths@springwoodhighschool.co.uk)**