

# This half term I am studying:

Unit \_\_\_ and Unit \_\_\_



## How to guide on Dr Frost and your KO

Scan the QR code to take you to your course overview.

← Select this half terms units.

Click on the topic you wish to revise.

Revise by watching the videos, practising the key skills or completing exam questions.

### **Remember, points mean prizes!**

Every two weeks, the Dr Frost leadership board is updated with the top three students who will win 10 visas each

At the end of every half term the top five students will win the following rewards:

1st Place - £10

2nd Place - £5

3rd Place- 20 visa points

4th Place- 15 visa points

5th Place- 10 visa points

The more independent work you complete, the more points you win!

# Mathematician of the half term

Answer the questions at the bottom and take your answers to your maths teacher to win 5 visas

Renee Decartes

1596 - 1650

I am the reason your maths teachers make you do what...?



A French philosopher, mathematician, and scientist. Father of analytic geometry. Cartesian Coordinate Plane is named for him.

"It is not enough to have a good mind; the main thing is to use it well."

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Answer:

# Mathematics Careers

WHEN  
WILL I  
EVER NEED  
MATH?



Well, you might have to use it in ICT...

- Create a logo using a graphics package by **reflecting** and **rotating** a design.
- Use spreadsheet **formulae** to calculate the **cost** of a school field trip.
- Use your knowledge of **angles** to program a robot turtle to draw a **triangle** or other **polygon**.
- Use live data from a sensor to plot a **graph** showing the temperature of melting ice.
- Format **number** or **currency** data to the correct number of **decimal places**.
- **Convert** between pixels and centimetres when comparing **dimensions** of images.
- Work with **timings** and different **speeds** in frames per second when animating in Flash.
- Produce a spreadsheet to use an **iterative formula** which will calculate the **cube root** of a number.
- **Calculate** actual **dimensions** from a **scale diagram** produced by a computer-aided design package.



Maths has lots of applications and is a vital asset in many degrees and careers. To find out more about where maths is used and maths-related careers visit: [www.mathscareers.org.uk](http://www.mathscareers.org.uk)