

# This half term I am studying:

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



Foundation

Higher



## 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

## Archimedes

c.287 – c.212 BC

I invented 'superweapons' what were they and how did they work?



Greek mathematician, physicist, and astronomer. Greatest mathematician in antiquity. Proved many geometrical theorems.

"Mathematics reveals its secrets only to those who approach it with pure love, for its own beauty."

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Answer:

# Mathematics Careers

# WHEN WILL I EVER NEED MATHS?

Well, you might have to use it in Physical Education...

- **Add up** quickly and accurately when keeping score in rugby union.
- **Calculate** a person's body fat content using **percentage** body composition.
- Perform the Harvard step test, **calculate** your score using a **formula** and then find your **score** in a table.
- Plan interval training using the **ratio** of time spent working to the recovery period.
- Study recovery **rates** by recording heart rates in beats per minute.
- **Calculate** cardiac output by **multiplying** heart rate and stroke volume.
- **Measure** and record throws and jumps to a required **accuracy**.
- Perform accurate **timekeeping** and then rank the results for a run or sprint.



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)