

# 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

Emmy Noether  
1882 - 1935

German mathematician. Landmark contributions to abstract algebra and theoretical physics.

"My algebraic methods are really methods of working and thinking; this is why they have crept in everywhere anonymously"



Between the years 1920 and 1926 I developed a theory, what was it called?

Answer:

# Mathematics Careers

WHEN  
WILL I  
EVER NEED  
MATHS?

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



- Use climate **graphs** to describe climate change.
- Calculate **total annual rainfall**.
- Calculate the **population density** of a country.
- Use your knowledge of **percentages** to decide if a household is in a state of poverty.
- Draw **pie charts** to compare sources of water for homes in three different areas.
- Use your understanding of **negative numbers** to compare the temperature ranges in five different cities.
- Use a **map scale** and a **ruler** to work out the total length of roads in a given area defined by grid lines.
- Use a **compound bar chart** to answer questions about changing trends in the timber trade.
- Use a **scatter graph** to test a **hypothesis** like "Districts with a higher percentage of people with higher qualifications have longer life expectancies."
- Obtain indicators of development by calculating **compound measures** like number of people per doctor.
- Find your way around a map using **grid references** and **compass directions**.



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)