

# 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

Andrew Wiles  
1953 - present

British mathematician. Specialized in number theory and proved Fermat's Last Theorem.



What is Fermat's last theorem and how long did it take me to prove it?

"However impenetrable it seems, if you don't try it, then you can never do it."

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Answer:

# Mathematics Careers

WHEN  
WILL I  
EVER NEED  
MATHS?

Well, you might have to use it in Food Technology...

- Design a **questionnaire** to find out people's views about a new product.
- Calculate the **percentage** of carbohydrate in a product.
- Use your knowledge of **pie charts** to design a meal which follows the advice of the 'eatwell plate'.
- Work with **money** using a **calculator** to compare the prices in three different supermarkets.
- **Substitute** values into a **formula** to work out your body mass index.
- Understand the **ratio** of fat to flour in different pastries.
- **Calculate** the cost per portion for a recipe, **rounding** your answer to a suitable **accuracy**.
- Use **negative numbers** to compare low and high temperature methods of food preservation.
- Use your knowledge of **metric units** to **convert** between grams and kilograms when following a recipe.
- Convert between **metric** and **imperial** units of **weight** and **volume** when using old recipes.

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)

