

Maths

Pupils at Richard Cobden enjoy fun and engaging maths lessons throughout the week. They are encouraged to discuss their maths in class and taught to reason mathematically.

Pupils will learn the following

- **Place Value** (including the size and order of numbers)
- **Additive Reasoning** (addition and subtraction problems)
- **Multiplicative reasoning** (multiplication and division problems)
- **Geometric reasoning** (shapes, measurement and time problems)

Lessons are planned using the White Rose Scheme of Learning and the National Curriculum for Mathematics 2014. The White Rose Scheme of Learning can be found on their website below.

<https://whiterosemaths.com/resources/>

In lessons at Richard Cobden pupils will be taught to develop their **number fluency, reasoning and problem solving**.

Number fluency: It is essential for children to memorise key facts to give them a solid foundation in their learning. As such pupils at Richard Cobden are taught to recall key facts in lessons and encouraged to develop a deep understanding of the relationships between different numbers.

Reasoning: Pupils are taught to reason mathematically through following lines of enquiry, developing arguments and explaining their answers.

Problem solving: Maths in our school is taught through problem solving. Pupils are given the opportunity to apply their mathematics to a variety of problems and are taught to develop strong problem solving skills.

Times Tables and Number Facts:

Pupils are expected to learn their times tables and number facts. We have a 5 Star badge award scheme at our school which rewards pupils who are able to recall their key facts quickly. There is a timed test for each star badge which pupils take in school. Pupils who pass each test are awarded a badge and certificate in our weekly achievement assembly.

1 Star – for knowing their number facts to 10

2 Star – for knowing their number facts to 20

3 Star – for knowing their 2, 5 and 10 multiplication tables

4 Star – for knowing their 2, 3, 4, 5, 6, 7 and 10 multiplication tables

5 Star – for knowing their 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12 multiplication tables

Parents are encouraged to help their child practise their number facts and times tables for 1-2 minutes every night.

Online help:

Hegarty Maths

Pupils in Year 6 have weekly homework that is set through a website called Hegarty Maths.

<https://hegartymaths.com/>

Pupils have their own account and can login to complete work set by their class teacher. Each lesson on Hegarty Maths contains a detailed video followed by related questions.

The children must watch the video and make notes then answer the questions. They can practise skills they find challenging by clicking on 'Fix Up 5' which will give them a number of questions which they previously failed to answer correctly.

Mathletics

Pupils in all other year groups are set weekly homework through the website Mathletics.

www.mathletics.com

Pupils are able to use this website to access their homework and to independently complete maths work at home. They can also use this website to play a number of number fact related games and activities.

Times Table Rock Stars

In years 4, 5 and 6 pupils also have access to the website Times Table Rock Stars which is used to help pupils memorise their multiplication facts.

<https://trockstars.com/>