

HALF-TERMLY HOMEWORK MATRIX

You need to complete at least **four** of the Homework Matrix tasks but this **MUST** include the **English** and the **Arithmetic** challenge. Where the activity is practical e.g. PE, please make a note (in your Home Learning Book) of the activity carried out instead with a date and signature. Home learning books are collected in on Wednesday of each week and given out on Friday.

The final hand in date for all matrix activities is **Wednesday 12th February**.

PSHE/RE:

During your RE lessons, you have been learning about Easter and why Christians believe that Jesus died. Create a comic strip to show the events leading up to Jesus' death.



MATHS CHALLENGE:

Describe the properties of these 3D shapes including: the number of curved surfaces, number of flat faces, numbers of edges and number of vertices. You could present this in a table:
cube, cuboid, tetrahedron, triangular prism and square-based pyramid.

Challenge: from the description below, can you name the 3D shapes? Are any of them prisms? Why/why not?

- 1 flat face, 1 curved surface, 1 edge, 1 vertex
- 2 flat faces, 1 curved surface, 2 edges, 0 vertices
- 0 flat faces, 1 curved surface, 0 edges, 0 vertices

CREATIVE CURRICULUM:

Compare the UK with Ancient Greece. Draw a table in your book (one side the UK and the other Ancient Greece) and compare the following things: location, weather, language, currency, types of homes, food, religions and capital city. You may need to do some research to help you.



ENGLISH CHALLENGE:

Story writing: Choose **five** of the following unfinished sentences and write for five minutes – or longer- on each one.

- *I guessed that something was wrong, as soon as I ...
- *The stale smell of the old rug made me ...
- *I always knew ...
- *If only ...
- *I love ...
- *As the mist cleared, I saw ...
- *It was getting late when ...
- *As the train suddenly gathered speed, I remembered ...
- *People don't ...
- *When I reached the top of the hill, I turned and looked down over ...
- *On Monday evenings, I always ...
- *I watched from the shadows until ...

SCIENCE:

Research different renewable energy sources such as wind power, solar etc. and how they are helping the environment.
Challenge: find out how many volts a wind-powered power station produces each day. What would affect how much electricity it produces?



ARITHMETIC:

Complete the arithmetic test you have in your home learning book. Think about the skills we have been learning about in our lessons. Give yourself 30 minutes to complete your work but check your work before you hand it in

SPELLING:

Conversation starter:

Write a conversation between two people using your spelling words.



PE:

Practice your hand-eye co-ordination skills. This could involve throwing and catching a ball (**challenge – how many claps can you do whilst your ball is in the air?**) or using a tennis racket to bounce a ball up and down.

Challenge:

Use a range of different sentence types including subordinate clauses and some figurative language (personification, onomatopoeia, alliteration, metaphors and similes).