

### Literacy

- Look at maps of the solar system, recalling what they know about its planets and stars. Close their eyes and see if they can recall the names and order of the planets! Read examples of a mnemonic system or poem and draft ideas for a mnemonic that will help them remember the order of the planets.

### ICT

With support, begin to produce algorithms by using logical and appropriate structures to organise data, and create precise and accurate sequences of instructions

### Mathematics

- read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit
- count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000

Partition three-digit numbers into hundreds, tens and ones

- Divide a multiple of ten by a one-digit number
- Use the formal written method of short division to calculate  $HTO \div O$
- Express the remainder in a division calculation as a whole number, a fraction or a decimal
- Determine whether to round up or round down a remainder in a division calculation according to the context.

in degrees (°)

### PSHE/ Citizenship/RE

Investigate the life of a person who has been inspired by their faith and make links between belief and action.

## Stargazers Spring Term Year 5



### Science

- Name the eight planets of the solar system and describe their position and movement relative to the Sun and neighbouring planets.
- Describe the key force responsible for planets being spherical.
- Explain day and night using the Earth's rotation, correct terminology and a model if required.

Describe the force of gravity, what causes it and how the force of gravity changes (e.g. if we were standing on a different planet).

### Art/ DT

- Create a detailed block for printing using string, card, foam or lino.
- Select and combine materials with precision.

Use simple rules of perspective in drawings of figures and buildings.

- Test and evaluate products against a detailed design specification and make adaptations as they develop the product.

### Year 5 ongoing weekly homework expectations:

Daily reading

Spelling

One piece of either maths, English, science or topic work to be completed in a home learning book.

#### Home learning book:

This will come home every **Monday** with one piece of homework based on the learning in school that week.

This needs to be completed and handed in by **Friday**

### PE

-Vary dynamics of a movement or dance, developing actions in time to music, with a partner or as part of a group

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This planner provides you with information regarding the theme your child will be learning about over the next few weeks. If you have any ideas or skills that could support our topic or have any questions about this term's learning, please speak to your child's classteacher.

### Cornerstones Project

Our new creative curriculum is called 'Cornerstones'. It is a very practical, engaging and inspirational series of lessons which include elements of science, history, art, design technology, geography and ICT.

More ways to support at home:

Keep a Moon diary over the course of a lunar month. Draw the shape of the Moon each night, finding out and recording the correct term for each lunar phase. Use non-fiction books, astronomy magazines and the web to find and record your own amazing facts about space. Create a space scrapbook using your facts and downloaded images. Visit your local library and search for space-themed books. These could be non-fiction, novels or poetry books. Write a review of your favorite to display in the library or in school. Search the night sky and try to identify the Moon, stars or even some of the other planets in the solar system such as Venus or Mars. Use binoculars or a telescope if possible. You might also be able to use an app which will help you to locate the position of the stars.