

MATHS

Children will

- Recognise which numbers are divisible by 2, 3, 4, 5, 6, 9 and 25 and identify multiples; find factors; recording results systematically and finding all factors of a given number;
- Use a written method to multiply 3-digit and 4-digit numbers by 1-digit numbers and estimate answers, divide 3-digit numbers by 1-digit numbers.
- Use a protractor to measure and draw angles in degrees; recognise, use terms and classify angles as obtuse, acute and reflex; recognise that angles on a line total 180° and angles round a point total 360° ;
- Identify and name parts of a circle including diameter, radius and circumference; draw circles



WELCOME TO YEAR 5 AT

BARNET HILL ACADEMY

- ◆ Spelling test on every Friday
- ◆ Homework- every Tuesday and Thursday
- ◆ PE on Wednesday & Friday.

STAR GAZER

AUTUMN 2 - TOPIC WEB

YEAR 5

MEMORABLE EXPERIENCE

During this half term,

We'll read information texts to find out about the Solar System and the Sun, using mnemonics to help us remember the facts.
We'll make a Solar System and investigate the cycle of day into night.
We'll learn about Galileo, the 'father' of modern astronomy and his famous astronomical discoveries.
We'll investigate lunar myths and write astronaut poetry.

SCIENCE

Children will

- ◆ Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- ◆ Describe the Sun, Earth and Moon as approximately spherical bodies.
- ◆ Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.
- ◆ Describe the movement of the Moon relative to the Earth.

Working scientifically

Children will

- ◆ Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- ◆ Identify scientific evidence that has been used to support or refute ideas or arguments.

ENGLISH

Children will

- ◆ Create their own Mnemonics to remember the order of the planets.
- ◆ Explore different myths and legends and draft ideas for a Moon-based urban myth that explains a real or imaginary phenomenon,
- ◆ Write narrative structure to include most elements (e.g. introduction, build-up, main event, resolution, ending).
- ◆ Read and share examples of free verse poetry, talking about what they like and dislike and identifying the similarities and differences between them.
- ◆ Write articles for the new youth magazine, 'Space Race' on the day of the historic Moon landing.

ART

Children will

- ⇒ Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (e.g. pencil, charcoal, paint, clay).

HISTORY

Children will

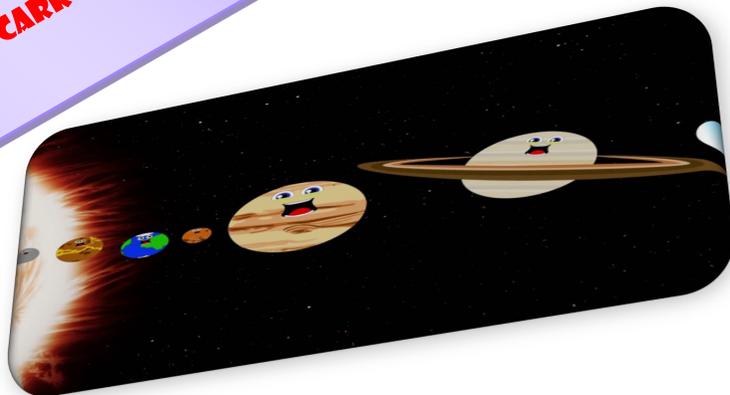
- ⇒ Study an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066.

HOME LEARNING

◆ **IMAGINE... AN ALIEN SPACE SHIP HAS CRASH LANDED IN YOUR BACK GARDEN. WRITE A STORY ABOUT WHAT HAPPENS NEXT. YOU MAY WANT TO BORROW IDEAS FROM SPACE STORIES OR FILMS YOU KNOW WELL. REMEMBER TO USE POWERFUL VOCABULARY TO BRING YOUR STORY (AND YOUR ALIEN) TO LIFE!**



◆ **WRITE A LETTER OF APPLICATION TO THE UK SPACE AGENCY TO BECOME AN ASTRONAUT. WHAT PERSONAL QUALITIES OR SKILLS WOULD YOU NEED TO CARRY OUT THIS ROLE?**



◆ **SO FAR, 24 ASTRONAUTS HAVE VISITED THE MOON. FIND OUT THEIR NAMES, DOWNLOAD PICTURES AND RECORD INTERESTING FACTS**

◆ **TEACH YOUR FAMILY THE ORDER OF THE PLANETS IN THE SOLAR SYSTEM USING YOUR MNEMONIC, THEN TEST THEM! HAVE THEY REMEMBERED CORRECTLY?**



◆ **MAKE A 3-D MODEL OF THE SOLAR SYSTEM WHICH DISPLAYS ALL THE PLANETS IN ORDER**