

# Moon Zoom! – Year 1 Autumn 2

**Engage:** Space alien crash landing in learning garden.

**Events:** 3D space models created at home, Visit from the planetarium, design and build a moon buggy, create flying rockets,

**Express:** Sharing of moon buggies, Christmas Nativity

## We are... Scientists: Key Skills and Knowledge: Everyday Materials

- I can distinguish between an object and the material from which it is made.
- I can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- I can describe the simple physical properties of a variety of everyday materials.
- I can compare and group together a variety of everyday materials on the basis of their simple physical properties.
- **Key Vocabulary:** Wood, plastic, glass, metal, water, rock, brick, paper, card, rubber, fur, fleece, cotton, wool, polyester, cotton wool. Names of common objects made from these materials e.g. door, building block, window, pencil sharpener, teddy etc. Soft, hard, rough, smooth, stretchy, stiff, shiny, dull, flexible, waterproof, absorbent, opaque, transparent, translucent

## We are... Athletes: Key Skills and Knowledge: Gross Motor & Gymnastics

- **Physical:** balancing, sprinting, jogging, dodging, jumping, hopping, skipping travel, copying and performing, using shape
- **Social:** taking turns, supporting and encouraging others, working safely, communication, co-operation, respect
- **Emotional:** challenging myself, perseverance, acceptance
- **Thinking:** selecting and applying, identifying strengths, listening and following instructions, counting, providing feedback,
- **Key Vocabulary:** balance, direction, land, safely, jump, hop, swaying, floating, gust, swirling, galloping

**Overview:** CRASH! What's that in the playground? Let's go outside and take a look. Stand back everyone – it looks like a UFO has crash landed. Find out who might have landed by exploring the craft and investigating scattered scientific specimens. Create a 'Welcome to Earth' box for an alien explorer. What can you put in it to help explain what life is like on our planet? Would you like to be an astronaut? You'll need a pretty sturdy spacecraft if you do. Start off small by making an air-propelled rocket. How far can you make it travel? Find out the names of the planets. There's Mercury, Neptune, Mars and – do you know any others? I've forgotten the rest. Then, an alien is found. Can you help get him home? It's got the experts in a right kerfuffle. Professor Pong doesn't know what to do. Are you ready for take off Year 1? Hold tight. 5, 4, 3, 2, 1... LIFT OFF!

## We are... Authors and Readers:

**Key Skills and Knowledge:** Read Pink Storybooks, read first 9 Set 3 sounds (56 sounds total), I can sit letters together in a word (short and tall letters). I can punctuate sentences using capital letters and full stops. I know that I need to use capital letters for days of the week.

**Key Vocabulary:** Fred talk, special friends, "fred talk, read the word", short / tall letter (ascenders), full stop, days of the week.

**Storybooks:** **The Smeds and the Smoos** Julia Donaldson, **Aliens Love Underpants** Claire Freedman, **How to Catch a Star** Oliver Jeffers, **First Hippo on the Moon** David Walliams, **Look up** Nathan Bryon, **The Boy Who Climbed Into a Moon** David Almond, **Whatever Next** Jill Murphy.

## We are... Historians: Key Skills and Knowledge:

- I can describe a significant historical event.
- I can describe why a significant individual acted the way they did.
- I can order 3 things on a timeline.

**Key Vocabulary:** Remembrance day, First World War, soldier, 11th November, poppy, then, past, Bonfire night, fireworks, Guy Fawkes, Houses of parliament, Gun powder plot, bonfire, 5th November, Neil Armstrong, moon, first, then, after, next, timeline, chronological

## We are... mathematicians: Key Skills and Knowledge: Explore

### Numbers to Ten

- I can solving problems using part or whole unknown
- I can compare numbers within 10 and use the language of difference
- I can read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs

### Geometry

- I can name and describe the properties of 2-D and 3-D Shape
- Sequencing Events

### Days of the Week and Months of the Year are exposed through the year

**Key Vocabulary:** Addition, subtraction, add, plus, take away, minus, equals, whole number, part number, triangle, square, circle, rectangle, cube, cylinder, cone, cuboid.

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## We are... Theologians (RE): Hinduism & Christianity Key Skills and Knowledge:

### Key Skills and Knowledge:

- Know where Hindu's go to worship and what happens during worship.
- Understand why Diwali is celebrated and the meaning behind it.
- Discuss and identify why Christmas is important to Christians (reminds them that Jesus, Son of God, came to Earth for all people).
- Identify what advent is, when it takes place and how it is celebrated.
- Re-tell the Christmas story identifying the main characters and where Jesus was born.

**Key Vocabulary:** Hindu, Temple, Diwali, Advent

## We are... Coders (Computing): Key Skills and Knowledge:

### Computer Science: Grouping and Sorting

- To sort items using a range of criteria and to use 'grouping'

**Key Vocabulary:** Criteria, Groups and Sort

### Computer Science Maze Explorers (Directions)

- To understand the direction keys.
- To understand how to create and debug a set of instructions (algorithm).
- To use the **additional direction keys as part of an algorithm.**
- **To understand how to change and extend the algorithm list.**
- **To create a longer algorithm for an activity.**
- **To set and access challenges for peers.**

**Key Vocabulary:** Algorithm, Direction, Route, Challenge, instruction, Undo, Command, Left and Right, Unit

## We are... Designers: Key Skills and Knowledge:

**Designing:** • I can draw on my own experience to help generate ideas for my moon buggy. I can design a moon buggy and label its parts.

**Making:** • I can use wheels and axles to make a simple moving model.

**Evaluating:** • I can talk about existing toy vehicles considering: use, materials, how they work, audience, where they might be used.

**Key Vocabulary:** Plan, Design, fast, Slow, Faster, Slower, wheels, axel, model, decorate, vehicle, glue, stick.

## We are... A Community (PSHE):

### Key Skills and Knowledge:

- Identify and begin to appreciate differences and similarities between people.
- Explain the difference between unkindness, teasing and bullying.
- Explain some of their school rules and how those rules help to keep everybody safe.
- Identify and name some of the qualities of the people who are special to them.
- Explain what is fair and unfair, kind and unkind and suggest ways they can show kindness to others.

**Key Vocabulary:** same/similar, different/difference, unkind/kind, tease/teasing, rules, fair/unfair, special people, unkindness, safe, qualities, feelings, respect, teasing, bullying

## We are... Geographers: Key Skills and Knowledge:

- I can name some and I can recognise physical features
- I can name and locate the 4 countries of the UK
- I can recognise/name human features, e.g. landmarks
- I can identify similarities and differences between two places
- **Key Vocabulary:** Continent, Africa, Antarctica, Asia, Australia, Europe, North America and South America, Map, Zoo, Key, enclosures, road, wood, lake, building, toilet, park, Fieldwork, data, information

## We are... Musicians: Key Skills and Knowledge: Cont. Aut 1

•**Playing:** Name and treat instruments carefully, Learn to play and perform from memory an instrumental part of a song. Listen to/follow a leader. Learn the names of the notes.

•**Improvisation:** To develop an understanding of what it is and how. To use the body, voice or instruments to improvise

•**Composition:** To know that it's like writing a story with music. Help create a simple melody using 2-3 notes and how to write them down

•**Performance:** To know that it is sharing music with other people, called an audience.

**Key Vocabulary:** rap, singers, keyboard, bass, guitar, percussion, trumpets, saxophones, perform, tempo, dynamics, timbre, texture, structure, notation. Improvise, compose, melody

## We are... Artists:

### Key Skills and Knowledge:

#### Computer art

- I can colour within the lines using coloured pens to create my own planet. I can use an app to create a 3D picture.
- I can use simple paint software to create an alien picture.

#### Painting

Alma Thomas based Artwork

- I can use a range of tools when painting and show control when mark making with a paintbrush, sponge dabber, cotton bud.

**Key Vocabulary:** Shape, 2D, line, mark, paint, pattern, primary colour, sponge, dab.