

Out of This World!



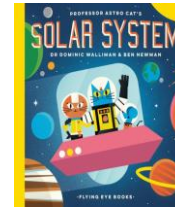
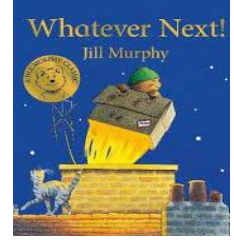
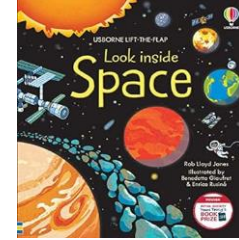
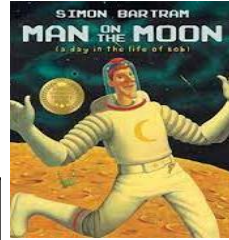
Year 1 Autumn 2



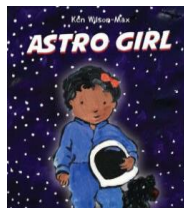
Key Vocabulary

Moon buggy	A vehicle used to drive up steep hills and go over rocks on the Moon. Astronauts use it to move around on the moon so they can collect scientific information and collect things like rocks to bring back to Earth.
Crater	A huge hole. You can find them on the Moon.
Rocket	A space vehicle that can launch into space.
Space shuttle	A space vehicle that can launch into space and land back on Earth, like an aeroplane. A parachute comes out of the back of the shuttle to help it slow down when it lands.
Star	An exploding ball of burning gas that we can see in the sky.
Tim Peake	A famous British astronaut.
Gravity	An invisible force that pulls objects toward each other. On Earth gravity keeps us on the ground and stops most things floating in the air.
Space station	The International Space Station is a large spacecraft. It moves round the Earth. It is a home where astronauts live. The space station is also a science lab. Lots of countries worked together to build it.
Surface	The outside of a thing/object or a body.
Friction	A force between two surfaces that are sliding, or trying to slide, across each other. For example, when you try to push a heavy box on the carpet floor, friction makes this harder than doing this in the hall.

Our focus texts



Other books we'll be enjoying!



In Phonics we will be learning:

ea oi a-e i-e o-e u-e aw are ur



er ow ai oa ew



Science - Knowledge, understanding and skills developed

- Identify different surfaces.
- Compare how an object moves on different surfaces.
- How friction can impact an object's movement.

Working scientifically

- Ask simple questions and recognise they can be answered in different ways.
- Observing closely.
- Using simple equipment to perform tests.
- Using their observations and ideas to suggest answers to questions.
- Gathering and recording data to help answer questions.

Out of This World!

Geography - Knowledge, understanding and skills developed

Continued on from Autumn1:

Human and physical geography

- Identify seasonal and daily weather patterns in the United Kingdom.
- Use basic geographical vocabulary to refer to: key physical features, including: beach, coast, forest, hill, mountain, sea, ocean, river, soil, season and weather. Key human features, including: town, farm, house, office and shop.

Geographical skills and fieldwork

- Use locational and directional language [for example, near and far; left and right], to describe the location of features and routes on a map.
- Use aerial photographs and plan perspectives to recognise landmarks and basic human and physical features.
- Use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment.



DT - Knowledge, understanding and skills developed - Moon buggies

- Design purposeful, functional products based on design criteria.
- Generate, develop, model and communicate their ideas through talking, drawing, templates and mock-ups.
- Use a range of tools and equipment to cut, shape, join and finish products.
- Select from and use a wide range of materials construction materials, according to their characteristics.
- Evaluate their ideas and products against design criteria .
- Build structures, exploring making them stronger, stiffer and more stable.
- Explore and use mechanisms such as wheels and axles in their products.

Music - Knowledge, understanding and skills developed

Learning and performing Christmas Concert songs

- Use their voices expressively and creatively by singing songs.
- Sing songs with the correct pitch, tempo and dynamics.
- Practise and perform music.
- Increase their self-confidence with singing.



Keep an eye out for a visitor from space!



Computing - Knowledge, understanding and skills developed

Using Computers

- Recognise common uses of information technology beyond school (*research*).
- Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions (*Beebots*).
- Create and debug simple programs on *Beebots*.
- Use logical reasoning to predict the behaviour of simple programs

E-safety

- Use technology safely and keep personal information private.
- Identify where to go for help and support when they have concerns.

Art - Knowledge, understanding and skills developed

- See the work of a range of artists, describing the differences and similarities between different practices and disciplines, and making links to their own work (*illustrators*).
- Draw from observation.
- Design, create and evaluate their own piece.
- Use different mediums to draw.
- Mix secondary colours and create darker and lighter tones.

History - Knowledge, understanding and skills developed

Chronological understanding

- Show an awareness of the past, using common words and phrases relating to the passing of time (*before, after, past, present, then, now, a long time ago*).

Historical enquiry

- Changes within living memory (*Tim Peake*).

Organisation and communication

- Speak about how he/she has found out about the past.