



Expected Ongoing Tasks

Maths

Practice your times tables facts at home. Please see Google Classrooms for some ideas on how to do this. When you bring home the booklet we have been using in class, you can focus on learning the facts you don't yet know. In Year 5, you need to have an instant recall of all the facts up to and including 10 x 10.

Spellings

A little and often is best! Even though there aren't weekly tests, it's still important to practice them.

Using a dictionary to look up the words and find out their meaning is an essential skill. Can you do this weekly with your spelling list? Have a go at verbally putting the words into different sentences.

Optional Task: Complete an activity a week from the list below. Ideally load it onto Google Classrooms or you can hand it in to the teacher.

Research your own planet – please complete this one as we will be using the information in class.

Research the planet your group has been given, ready to present in class. Find out about its size, position, orbit, composition and any research robots that have been sent to explore it.

Be ready to share the information that you have found out during the week beginning Monday 18th November (Week 3)

Challenge: what's the most fascinating fact that you can find out about any planet in space? Did you know that astronomers believe that it might rain diamonds deep within Neptune and Uranus?

Write an acrostic poem for a planet of your choice. Research the planet to make sure the words and phrases you choose describe the planet.

Planet: Mars

Mountains that tower, dust storms rage,
Arctic poles of ice, cold and strange.
Red deserts stretch beneath the sky,
Searching for life as rovers pry.

Make your own 3D alien!

You can use whichever materials you choose.

Accessories: Add special accessories to your alien like a jetpack for flying, a tool belt for exploring new planets, or glowing eyes to see in the dark.

Backstory: Give your alien a story. Where do they come from? Are they explorers, scientists, or warriors?

Create a space collage

Use scrap paper, foil, sweet wrappers and other junk around the house.

Build a model rocket from junk

Think about air resistance and streamlining. For a very basic idea to start with: [DIY - BBC Teach](#).

Find out facts about the space missions

What was the first creature sent into space?
 Who was the first astronaut?
 Who was the first person on the moon?
 Who were Mary Jackson, Katherine Johnson and Dorothy Vaughan?
 What other interesting facts can you find out?
 You might even like to create a timeline of space travel.

What do you think space travel will be like in the future?

Draw a cartoon strip about an alien landing on Earth for a day.

Alien Perspective: How does your alien react to everyday human things like cars, animals, or even the internet? Maybe they find traffic jams hilarious or are amazed by the idea of pets.

Interactions: What kind of people does the alien meet? Friendly children, a scientist trying to communicate, or perhaps a confused police officer?

Ending Twist: Add a funny or surprising twist at the end. Maybe the alien takes a souvenir back to its home planet, or it teaches humans something special before leaving.

Alien Technology: Does the alien have advanced technology that humans don't understand? For example, a food replicator or a flying car.

Keep a 'Sky at Night' journal for a whole week.

What can you see in the sky?
 You could draw a picture of the moon every night. Does it change over the course of a week?
 Challenge: What happens to the moon over the course of a month?
 You might even like to have a go at recreating the 8 phases of the moon using Oreo cookies.

<p>Reading</p> <p>Read with someone at home daily for around 20–30 minutes. Bring your book and reading record in on your reading day..</p> <ul style="list-style-type: none"> - Peters has book lists covering key themes and popular topics - School Reading List has regularly edited lists of recommended reading books for children aged 3–11. - Use your local library. Search for book titles here. <p>Here are some examples of the type of questions we ask at school during KS2 reading lessons.</p>	<p>Create a constellation</p> <p>Can you connect stars on a star map (you could draw one) or create your own patterns of stars?</p> <p>Can you create a legend or a myth behind the constellation similar to Greek mythology?</p> <p>Can you research famous constellations like Orion or Big dipper?</p>	<p>Design a training programme for an astronaut</p> <p>What would a day in the life of an astronaut be like? How would you complete everyday tasks?</p> <p>Create a fitness and mental training program for astronauts preparing for space.</p> <p>Create your own space themed top trumps cards.</p>	<p>Create your own model of the solar system</p> <p>Build a model of the solar system using materials like foam balls, clay, or paper mâché.</p> <p>Fun Facts: You might like to label each planet with the most interesting fact that you can find out about each planet.</p>
	<p>Useful sources of information</p> <ol style="list-style-type: none"> 1. Earth and space - KS2 Science - BBC Bitesize 2. ESA - Space for Kids 3. NASA Kids' Club 4. NASA Space Place 5. Space Primary Resources National Geographic Kids 6. A Kid's Guide to Stargazing OLogy AMNH 	<p>Additional unit reading books (Non-Fiction)</p> <ul style="list-style-type: none"> - How to Spaghetlify Your Dog by Hiba Noor Khan & Harry Woodgate - Dr Maggie's Grand Tour of the Solar System by Dr Maggie Aderin-Pocock & Chelen Ecija - A Day in the Life of an Astronaut, Mars and the Distant Stars by Mike Barfield & Jess Bradley - Hidden Figures: The True Story of Four Black Women and the Space Race by Margot Shetterly & Laura Freeman - Astronaut Handbook by Meghan McCarthy - Counting on Katherine by Helaine Becker & Dow Phumiruk - A Galaxy of Her Own: Amazing Stories of Women in Space by Libby Jackson - The International Space Station by Clive Gifford & Dan Schlitzkus - Professor Astro Cat's Frontiers of Space by Dominic Walliman & Ben Newman 	<p>Additional unit reading books (Fiction)</p> <ul style="list-style-type: none"> - Cosmic Kid by Frank Cottrell Boyce & Steven Lenton - The Jamie Drake Equation by Christopher Edge - The Kid Who Came From Space by Ross Welford - Phoenix by SF Said & Dave McKean - Interdimensional Explorers by Lorraine Gregory & Jo Lindley - Spaced Out by James Carter, Brian Moses & Various Poets