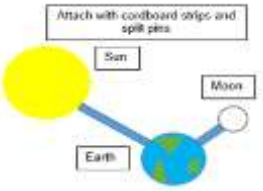
Learning Project WEEK 10 - Space	
Age Range: Year 6	
Weekly Maths Project	**Weekly Reading Tasks (Aim to do 1 per day)**
Data Handling For the project this week, you will need two bags of **SKITTLES.** 1. In the two bags of skittles how many of each colour are there? 2. Make a table to show your results. 3. Draw a bar chart to show the results. 4. How many skittles are in a pack? Can you make a design with the skittles that has: • one line of symmetry • two lines of symmetry • three lines of symmetry (You could draw your designs using coloured pencils or felt tips.) **Solving Number Problems** Can you use a pack of skittles to make Traffic Light biscuits? Each biscuit has a red, a green and an orange skittle on it. How many Traffic Light biscuits can you make with one of your bags of skittles? What about two bags? • A pack of skittles cost 35p. How many packs can I buy with £2.00? • Use a calculator to work out how much each skittle costs in one bag of skittles. Give your answer to 1 decimal place. • I can buy a multipack of skittles (4 packs for £1.10). If I need 32 packs of skittles how much money can I save by buying them in multipacks? • A special promotional pack of skittles with 50% extra free in the pack is sold. How many Skittles are in the promotional pack?	• Task your child with reading unusual things in unusual spaces e.g. a recipe book in the bath. How many unusual spaces can they find over the week? • Click here for a reading activity about **Space Tourism**. Challenge your child to read the text in 3 minutes. • Ccomplete the questions on Space Tourism. • Ask your child to listen to or read along to the poem Cosmic Disco. What does your child think is the main idea in the poem? • Encourage your child to research information on past space expeditions here. Which expedition was the most impressive? Why?

Weekly Spelling Tasks (Aim to do 1 per day)	Weekly Writing Tasks (Aim to do 1 per day)
• Pick 5 Common Exception words from the Year 5/6 spelling list here. Challenge your child to create a word web by finding 5 other related words. • Encourage your child to organise these synonyms from slowest to fastest: **quickly, speedily, swiftly, hurriedly** & **in a flash**. Which best describes a rocket launching into space? • Some words contain the letter string -ough- Can your child use this knowledge to complete these sentences against the clock? • Task your child with identifying any space related words from the poem Cosmic Disco. Can they draw illustrations to represent these words too? • Get your child to proofread their writing from the day. Encourage them to use a dictionary to check the spelling of any words that they found challenging.	• Visit the Literacy Shed for this resource on Broken: Rock, Paer, Scissors or your child can create a comic strip retelling Armstrong's mission to the moon. • **Ask your child to pretend they have woken up to find an alien at the end of their bed. Write a detailed description of the alien thinking about size, appearance and the sounds it makes. Draw it too!** • Get your child to imagine that they are a news reporter, reporting on this alien visit. They can write a newspaper report. Remind your child of the features of a newspaper. If they have access to a PC, they can type up their finished report on Word or Google Docs. • Ask your child to create a travel brochure for a newly discovered planet. Consider: travel time, location, accommodation and things to do and see. • Your child can write a persuasive letter/job application to NASA asking to be the next astronaut to go into space. Remind them that they must include the skills they have that would make them the best candidate.

Learning Project - to be done throughout the week

The project this week aims to provide opportunities for your child to learn more about space. Learning may focus on our Solar System, the Sun and the Moon. It could look at life in outer space from the view of an astronaut and travelling through space.



- **Moon Moves -** Get your child to research the importance of the Moon to life on Earth. Ask your child to research the movement of the Moon relative to the Earth and create a model of the Earth, Moon and Sun. Here is an idea of how your child could do it.

- **Through Space and Time-** Ask your child to research space exploration history and create a timeline of how people have travelled into space. Get them to think about when the first rocket was launched? When did the first man travel to space? How about the first woman? What other significant events can they add to their timeline?

- **Connect the Dots-** Ask your child to examine the different life stages of a star and explore the names and shapes of some famous constellations. Ask your child to create a poster displaying the different constellations which can be used to teach others. Tell them to make it as creative as possible.

- **Dancing into Space-** Listen to Holst's 'The Planets' with your child. Ask them to select a planet and decide what they think that planet would be like. Get them to create a dance/ set of movements to go with the music which will portray this. Take a video of their dance to share with the family and encourage your child to self-evaluate whilst watching the video. Remember to tweet a video of their dance at **#TheLearningProjects**.

- **Mission to Space-** Get your child to research the different components of a spacecraft and using their understanding of this, design their own spacecraft. Get them to think carefully about what it needs to include in order for astronauts to survive in space. Can they make a small scale model using resources from around the home? There might be inspiration here.

STEM Learning Opportunities #sciencefromhome

Mission X – Building a Bionic Hand

- It is difficult and tiring for humans to work in space. Bionic hands that can be remotely operated can help humans work more efficiently in space. Try making a model bionic hand using cardboard, straws, string and elastic bands. You will need to think about how a human hand works to help you with your design. You can find out more here.

Sign up and access all of the Mission X resources here.

Additional learning resources parents may wish to engage with

- **BBC Bitesize** – Lots of videos and learning opportunities for all subjects.
- **Classroom Secrets Learning Packs** - Reading, writing and maths activities for different ages.
- **Twinkl** – Click on the link and sign up using your email address and creating a password. Use the offer code UKTWINKLHELPS.
- **White Rose Maths** online maths lessons. Watch a lesson video and complete the worksheet (can be downloaded and completed digitally).
- **Times Table Rockstars** and **Numbots**. Your child can access both of these programmes with their school logins. On Times Table Rockstars, children should aim to play Soundcheck for 20 minutes daily.
- IXL online. Click here for **Year 3** or here for **Year 4**. There are interactive games to play and guides for parents.
- **Mastery Mathematics Learning Packs.** Take a look at the mastery mathematics home learning packs with a range of different activities and lessons.
- **Y5 Talk for Writing Home-school Booklets** and **Y6** are an excellent resource to support your child's speaking and listening, reading and writing skills.

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