Home Learning
Learning Projects

W/C 15/06/2020: Space

Year 6

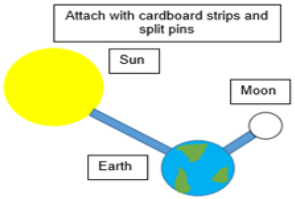
Weekly Reading Tasks	Weekly Spelling Tasks
Monday- Read this book about our solar system: https://www.twinkl.co.uk/resource/t2-s-862-interactive-science-pdf-the-planets. Get your child to make notes about the different planets and to note similarities and differences between them. (Follow instructions below to create an account on Twinkl)	**Monday-** 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.
Tuesday- Click here for a reading activity about **Space Tourism**. Challenge your child to read the text in 3 minutes and complete the questions	**Tuesday-** 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?
Wednesday-. 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?	**Wednesday-** 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. Ask them to come up with ways to remember them in the future.
Thursday- 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?	**Thursday-** Task your child with identifying any space related words from the poem Cosmic Disco. Can they draw illustrations to represent these words too?
Friday- Encourage your child to research information on past space expeditions here. Which expedition was the most impressive? Why?	**Friday-** Some words contain the letter string -ough- Can your child use this knowledge to complete these sentences against the clock?

Weekly Writing Tasks	Weekly Maths Tasks	
Monday- Visit the Literacy Shed for this resource on Broken: Rock, Paper, Scissors or your child can create a comic strip retelling Armstrong's mission to the moon.	**Monday-** White Rose Maths activity – Solve two-step equations	White Rose Maths videos are available for each session this week from the White Rose Maths website. The accompanying worksheets will have been sent out via School Ping.
Tuesday- 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!	**Tuesday-** White Rose Maths activity – Find pairs of values	
Wednesday- 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.	**Wednesday-** White Rose Maths activity – Convert metric measures	
Thursday- Ask your child to create a travel brochure for a newly discovered planet. Consider: travel time, location, accommodation, weather and things to do and see.	**Thursday-** White Rose Maths activity – Miles and kilometres	
Friday- 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.	**Friday-** Use this day to consolidate the week's learning and to practice times tables using some of the links below. Your child can also try the Friday challenge on BBC Bitesize.	

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?
- **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 share a video of your dance at year6@pinnerpark.harrow.sch.uk

The following project items will be completed in the classroom if your child is attending school.
If this applies to your child, please choose from the above projects for the days that they will not be with us.

- **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. Create a detailed design of the spacecraft, including all the features critically to include for a successful launch. Can they make a small scale model using resources from around the home? There might be inspiration here.
- **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.

STEM Learning Opportunities

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**. Your child can access this program with their school logins. On Times Table Rockstars, children should aim to play Soundcheck for 20 minutes daily.
- **Mastery Mathematics Learning Packs.** Take a look at the mastery mathematics home learning packs with a range of different activities and lessons.
- **Y6 Talk for Writing Home-school Booklets** are an excellent resource to support your child's speaking and listening, reading and writing skills.

The Learning Projects are based on the **National Curriculum expectations** for the key stage which your child is in. It may be that your child finds the tasks set within the Learning Project for their year group too simple. If this is the case, then we suggest that your child accesses the Learning Projects which are set for the key stage above. Equally, if the projects are too challenging, then we advise that your child accesses the projects for the key stage below.

If your child requires more of a challenge, or you believe that there are some gaps in their learning then Century Tech is a fantastic resource that is currently free for home learning. The app is designed to address gaps and misconceptions, provide challenge and enables children to retain new knowledge. It uses artificial intelligence to tailor the learning to your child's needs. Sign up here.