

Year 4 Optional Home Learning Tasks- Space

As your topic this term would have been Space, here is a range of Expressive Arts activities for you to have a go at with any materials you have at home. Some of the activities have **extra resources** attached; these are highlighted in **yellow**. Some activities require **internet access**; these are highlighted in **green**. If you complete any work, please send it to your class teacher on Remind so that they can forward it to me. Miss Harrison ☺

1. Design a Moon Buggy

Will we ever send another man to the moon? NASA plans to go back to the moon in the year 2020. Right now, they are working on new ideas for moon cars in which astronauts can live and work for up to two weeks! Can you help NASA **design a new buggy?**

- How will your buggy be powered?
- If batteries, how will you charge them?
- Must be able to carry 2 astronauts, rock samples, tools, cameras, communication equipment, spare oxygen bottles and have a robot arm attached.
- Wheels which can drive over sand, gravel and small rocks.
- Must have a satellite attached.

2. Constellations

A constellation is when a group of stars form a pattern. Like this...

Can you create a piece of artwork inspired by constellations? You could draw and



connect stars to create a picture of your choice.

Look on **Google Images** for pictures of constellations or **see pictures I have found attached.**

Challenge: Can anybody in your house help you **stitch constellation patterns?**

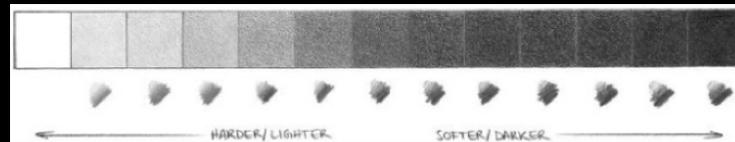
3. Planets

Have a go at drawing planets. First of all, think about their shape. They're **spheres**. How can we draw a sphere? A sphere is a **3D shape?**

You will need to start with a **circle** and **shade it**. We need to make a 2D shape (circle) look like a 3D shape (sphere).

Shading

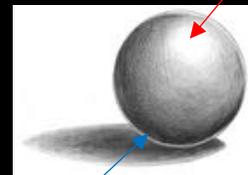
Let's begin by creating a **tonal value chart**, like this:



We would normally use a range of pencils for this activity, but just use any pencil you can find. Try with different colours too.



Next, have a go at shading a circle to make it look 3D. Either draw around something circular, like a small plate, or use the **template attached.**



Remember, the **lightest part** is where the light hits it. The **darkest part** is where the light does not hit...

...Now try drawing planets. Use the **pictures of planets** attached or create your own!

Try to make your planets look spherical (round) and realistic by curving your shading and adding light flares. Experiment with different coloured paper, if you have any at home.



4. Space Images

Space.com has a fantastic collection of space photos. Do any of them inspire you to create a piece of artwork or compose a piece of music? Some of the photos would make great settings for stories, too! I have copied some of my **favourites below.**

<https://www.space.com/34-image-day.html>

