



Year 5 Homework

Summer 2 – Star Gazers

Can you collect 10 points by Monday 13th July?

1 point tasks

- Draw, colour and label a diagram of our solar system – you could use any medium you wanted.
- There are lots of mnemonics to help you remember the order of the planets - for example, *My Very Eager Mother Just Served Us Nine Pizzas*. Learn one (be ready to recite it to your teacher) and create your own illustrated mnemonic.
- Choose a planet, research it and create a mind map about it. Include pictures and diagrams.
- Listen to the 'The Planets' by Gustav Holst – you can find this on Spotify or on YouTube. He composed music based on the different planets. Write a short review explaining which of the planets you liked best and giving reasons.
- Times tables are really important. If you improve your speed on TTRS by at least 0.5 seconds over the term, you can get 1 point.
- Next term, you will be in Year 6! As part of our PD learning, we will be thinking about how to make transitions successful. Spend some time reflecting on your time in Year 5. Write some bullet point notes about what has gone well for you, what you want to work on next year, your highlights and best memories, any challenges you have faced and anything else you want to include.

2 point tasks

- Create an A-Z of sports and leisure activities in Spanish. Remember that you can also use Linguascope to practise.
 - **username: bannockbps**
 - **password: funnybat20** Please do not share this password
- If you can get a clear sky, look up and see what constellations there are. Use the internet (try theskylive.com) to identify the ones you can see then draw them and label them. Saturn, Jupiter and Mars can all be seen with the naked eye at this time of year on a clear night. Alternatively, take a photograph of the night sky, label the stars or planets and keep a diary of your star gazing. Can you spot the movement of the stars?
- Create a fact file about an astronaut. Some suggestions of people to write about: Tim Peake, Helen Sharman (first British woman in space), Guion Stewart Bluford Jr. (first black man in space) Mae Jemison (first black woman in space) Yuri Gagarin (first human in space) or Neil Armstrong (first man on the moon).
- READ! Choose a book, read it from start to finish and write an honest book review about it. In your review, summarise what the book is about, discuss what you liked about it and why, mention anything you didn't like, then finish your review by rating the book out of 5. There are lots of brilliant novels about space. Why not try one of these? *The Kid Who Came From Space* – Ross Welford, *Phoenix* – SF Said, *Sky Chasers* – Emma Carroll (which is about the first hot air balloon flight – a distant precursor to space travel).
- Last term in our Maths learning we studied angles. Recap what you have learnt by doing some angle problems! NRich have some activities that will help you practise your skills. Try the online game here: nrich.maths.org/games/estimatingangles or have a go at this triangle-related problem: nrich.maths.org/problems/triangles-all-around
- As part of our Hinduism learning, we will be finding out about the festival of Janmashtami. For two points, find out about another Hindu festival. You can present your information in whatever style you choose (for example, a fact file, a poster or a letter to a friend)

3 point tasks

- What would make a good meal for an astronaut? Start by writing a design brief, explaining what you will need to think about (remember to ensure you are creating a healthy, balanced meal). Will your astronaut be able to use cutlery or should it be something you can eat with your hands? Will it be one course or multiple courses? Then, make the meal!
- Write a story about visiting another planet outside our solar system. On the planet, you encounter extra-terrestrial life...what happens next?
- In Geography, we will be learning about time zones. Create your own map of the world showing different time zones, then write some questions about it for a peer to answer.
- We will be using Scratch in Computing lessons. One of the skills we are practising is 'debugging' - finding and correcting errors in code. You can practise this at home with a variety of challenges of increasing difficulty: <https://scratch.mit.edu/studios/1834109> Maybe you could even make your own challenge?
- Keep a moon diary for a whole month; sketch the moon every night and see if you can identify the different phases of the lunar cycle. There is a calendar template at the end of this document that you can print out to draw your moon phases on.
- Make a balloon powered rocket. Design a rocket using recycled materials, attach it to string and use a balloon to propel it. Investigate how changes in size, weight and shape affect the distance travelled.

5 point tasks

- Create a 3D model of the solar system, with labels giving information about each planet. You can use any materials you want but we would recommend using (clean) recycling or papier mache.
- An 'egg-naut' is an egg who has become an astronaut. They are extremely adventurous but, sadly, much more delicate than human astronauts. Your challenge is to create a re-entry capsule for your egg-naut. This capsule will need to keep the egg-naut safe as they re-enter the Earth's atmosphere – they must not end up cracked! You can use any materials you want. Once finished, your re-entry capsule must be dropped from 2 or 3 metres with your egg-naut inside. Write a report featuring diagrams of your capsule, the equipment used and the result. Did your egg-naut survive re-entry?

Please speak to your child's class teacher if your child would like further challenges.

SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4