

## English Challenges

- Look at the picture 'Without Gravity' below. Imagine the same thing was happening in your room! Write a diary entry about the event. Remember to include your thoughts and feelings.



- Use the story starter below to complete the rest of the story:

The scientists huddled around the machine looking perplexed. Their laboratory was buried deep underground, away from prying eyes. Usually their experiments went completely unnoticed, but this particular experiment would certainly not avoid the headlines. They were in BIG trouble ...

- Using what you know about ambitious vocabulary, up-level the sentence about the troll. Use the picture below for inspiration: The troll put his hand on the house. He had a nose and teeth. He was covered in grass.



## ICT Challenges

- Make up a fitness routine for someone in your family to follow. You could complete this activity by writing down the steps, taking pictures of you doing the steps or video yourself doing the routine to share with your family.
- Visit <https://blockly.games/?lang=en> and have a go at the programming challenges.
- Teach someone how to become a computer programmer using <https://scratch.mit.edu/>.

## Mathematics Challenges

- Log in to Times Table Rockstars. Can you beat your last top score? Challenge someone else in your house to see if they can beat your score.
- On your next walk, identify how many different leaves you can find. Create a tally chart and turn the data into a bar chart.



- Create your own arithmetic test for someone in your family using the 4 operations. You must know the answers!
- Complete the PE/Maths multiplication challenge using the images below. Each move is worth points.

**Daily Challenge - PE and Maths #1**

Level 1 Start on 100 points	3 x ⚪️	2 x ⚪️	2 x ⚪️	Your Score
Level 2 Start on 100 points	3 x ⚪️	3 x ⚪️	4 x ⚪️	Your Score
Level 3 Start on 100 points	5 x ⚪️	1 x ⚪️	1 x ⚪️	Your Score

**Key**

- ⭐ = 5 Star Jumps      5 Points
- ⭐ = 5 Sit ups      5 Points
- ⭐ = 5 Press ups      5 Points

PE SCHOLAR

Key	
⭐	= 5 Star Jumps 5 Points
⭐	= 5 Sit ups 5 Points
⭐	= 5 Press ups 5 Points

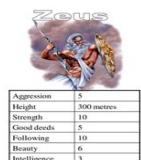
## Science Challenges

- Make a boat, which floats successfully in a bowl of water. It must be able to carry a cargo of one penny. Challenge yourself to make more boats to see which can carry the most cargo.
- Look at different materials around your home such as plastic, cardboard, wool etc. Design and make an umbrella or product that would keep a small object dry from the rain.
- Oobleck**- Mix 2 cups of cornstarch to 1 cup of water into a bowl. Mix the cornstarch and water until your oobleck is formed. Is it a solid? Is it a liquid? Or is it both? Record your findings. You might have to think back to our prior learning on solids, liquids and gases.
- Visit BBC Bitesize for daily science activities.



## History Challenge

- Create a timeline about the significant events in Ancient Greece. Think back to some of the significant events we discussed in class: The Trojan War, introduction of the Olympics, Alexander the Great, The Battle of Marathon etc. You might find the link below useful.  
<https://www.historyforkids.net/ancient-greece-timeline.html>
- Create a word search linked to your learning on the Titanic.
- Research what life was like during the Victorian era in British history. Create a poster to showcase the information. Think back to a time when you may have looked at this in school.
- Watch the clip learn about Ham and Alberta II (Space Monkey)  
[https://www.youtube.com/watch?v=24FNE60FRzw&feature=emb\\_title](https://www.youtube.com/watch?v=24FNE60FRzw&feature=emb_title)  
Create a booklet to teach others.
- Create top trump cards game based on the Greek Gods. You can then play these with someone in your house.



## Creative Challenge

- Build a Space Station using resources that you may find in your home: Boxes, straws, tubes, pots, tape, glue, scissors, paint, tin foil, etc.
- Create a catapult which can be used to fire a chosen projectile without the operator (you) touching the object.
- Thinking back to your learning in Year 3. Create a model of the Stonehenge using biscuits.
- Create a model of the Arc de Triomf in Barcelona using cardboard, plasticine, Playdoh etc.



## Geography Challenge

- Find out and record any volcanoes in Europe. Think of an interesting way to share your information.
- Write a report on the eruption of Mount Vesuvius. Think back to your prior learning. You might want to use the link below to help you.  
<https://www.bbc.co.uk/programmes/p0170brg>
- Design a logo that could be used to encourage people to recycle or stop using plastic. Write a short paragraph explaining how plastic is damaging our oceans.
- Visit Sea Life Trust to learn about the effects of pollution and who is trying to help.  
<https://www.youtube.com/watch?v=YamjSpBN8dY&feature=youtu.be>  
<https://www.youtube.com/watch?v=hF9bDqII7QA&feature=youtu.be>
- Design a card game: Where Am I? Make cards giving 5 clues about a place, anywhere in the world. Use geographical language: capital, Northern/Southern hemisphere, equator, oceans, borders, climate, landmark etc.
- Create a map of your local area. Speak to someone who has lived in the area for a long time to discuss how land use has changed over time. Record your information.

## Art & Design Challenge

- Look at some of Peter Thorpe's abstract art. Discuss the shapes and colours and the techniques used. Paint a picture of a rocket in space.  
<http://www.peterthorpe.net/rockets.html>
- Thinking about the new art work produced by Banksy, create your own piece of art work based upon the same style. Think about the message your artwork wants to get across to people.
- Think back to our recent artist study on 'Jagdish Swaminathan'. Create your own piece of art work, in the style of his. Think about colour, texture and tone.



## General Knowledge Challenge

- Watch 'Newsround'  
<https://www.bbc.co.uk/newsround>  
Complete the quiz to test yourself.
- Find out the names of different trees. How many can you find on your next walk?



- Create a word search based on the famous landmarks in Spain. Use the link below if you are struggling to think of ideas.  
<https://www.kids-world-travel-guide.com/spain-facts.html>
- As it was world oceans day on the 8<sup>th</sup> June - create a poster showing ways to help stop plastic pollution in our oceans. You might want to use the video below to help you  
<https://www.youtube.com/watch?v=HQTUWK7CM-Y>



## Cultural Capital Challenge

- Explore 'The Planets' by Gustav Holst.  
<https://www.youtube.com/watch?v=T0Fx24Xzc3U>  
Listen to the music for the planets Jupiter and Mars. Compare the two pieces and create your own piece of music for a planet of your choice.

- Keeping with the theme of learning Spanish. Learn the Spanish word for these common pets

*El perro* - Dog.

*El cachorro* - Puppy.

*El gato* - Cat.

*El hamster* - Hamster.

*La cabaya* - Guinea Pig.

*El pez* - Fish.

*El pájaro* - Bird.

- Use the Internet or non-fiction books to compare and contrast the culture of your country to another country. Below you will see a list of things you might want to think about:

Clothing, religious beliefs, recreation, food and the economy.

