

# Foundation

13/07/2020



Subject	Topic	Task 1	Task 2	Task 3
Geography	Over the last few weeks have been looking at energy and the environment. This week we will be summarising what we have learnt by completing some <b>challenges</b> .	<a href="#">slide 3</a>	<a href="#">Slide 6</a>	<a href="#">Slide 9</a>
RE	Over the next few weeks we are going to be looking at worship. This week we will be looking at <b>freedom</b> .	<a href="#">Slide 4</a>	<a href="#">Slide 7</a>	<a href="#">Slide 10</a>
Science	Over the last few weeks have been looking at space. This week we will be summarising what we have learnt by completing some <b>challenges</b> .	<a href="#">Slide 5</a>	<a href="#">Slide 8</a>	<a href="#">Slide 11</a>

There will be three tasks for each subject to be completed weekly. Click on the buttons to above to complete each task. Don't forget to click on the "  " to go back to the home page to complete the next task.



# Geography: Task 1



Electrical power lines come into your house through an electricity meter. The energy company uses these meters to measure how much electricity has been used. The meter measures electricity in units called kilowatt hours (kWh).

**Remember electricity kills- never play with electricity.**

At home, **with an adult**, take readings from the meter for a week and write the numbers in the table. The number of units used each day will be that days' reading minus the reading from the day before. Find out how much kWh of electricity costs (ask an adult to check the electricity bill. Can you work out the cost per day and for the whole week? Use this table to find out. Were there any big differences during the week? Can you explain why?

Day	Reading	Number of units used (today's reading- yesterday's reading)	Cost per unit	Cost of electricity used (units x cost)
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				



Answer the following questions:

1. What is freedom?
2. What does it mean to be free?
3. Who might not experience freedom and why?



# Crash Landing!



You have crash landed! The rescue team can't get to you until tomorrow so you will have to stay the night. Below are the materials you can recover from the wreckage to make a shelter:

Wood, aluminium, glass, nylon, plastic, iron, rubber, polystyrene, cork, cotton, wool. Felt, copper and paper.

You need to choose a material for the support beams, shelter and ground cover as well as sleeping bags. Make sure you write about why you have chosen each material.



# Geography: Task 2



Think about how over the week, different goods and services get to you.

Key words:

Electricity, petrol, food, healthcare, water, diesel, letters, shopping, oils, parcels, leisure, gas, messages, information

Extension:

How do you think someone living in your area in 1815 would have obtained the same goods and services?

Example	Day 1	Day 2	Day 3
<ul style="list-style-type: none"><li>-Text message sent to tell grandparents you have arrived at your campsite</li><li>- Water collected from campsite tap</li><li>- Electricity from solar charged lantern</li><li>- Walked to shop for milks, eggs and bread</li><li>- News broadcast from wind-up radio</li></ul>			
Day 4	Day 5	Day 5	Day 6



# Religious Freedom

Religious freedom is the right to choose what you believe and which religion you follow, to change your religious beliefs and to follow your religion privately and publicly, through worship, teaching and how you observe your religion's rules.

Click on the image to read a newspaper article.

Then answer the following questions on a piece of paper:

Did she initially have religious freedom? Was she treated fairly? Did the courts make the right decision?



# Design a Planet



It is the year 4690 and you are an employee of the company 'Magrathea'. They make custom-made, luxury planets. As an employee you can build your own planet exactly as you like it. You need to consider the size, shape and materials your planet will be made of. What habitats and animals will it have? Will the planet be the same all over or will it have different habitats with different animals? Draw a diagram of your planet.





Draw two versions of the same landscape.

One showing non-renewable power generation and one showing renewable power sources.



# Create Your Own Religious Freedom Argument



In some parts of the world, there is not as much religious freedom. This means that in some places, people cannot choose which religion they follow. They may be forced to follow a religion that the government chooses for them. In some places, people can face punishments for following their religion. They might be fined, put in prison or forced to follow their religion in secret. How would it feel to have to follow a religion you didn't choose? How would it feel to have to keep your beliefs a secret? Answer the following questions below on a piece of paper:

1. What is religious freedom?
2. What can people do if they have religious freedom?
3. What are people unable to do if they do not have religious freedom?
4. How would you describe religious freedom? Is it important or not?
5. Explain your opinion



# Design a Habit



You have discovered a new planet! It is similar to Earth however it has no native animals. You decide to introduce animals from Earth to see if they can thrive. Which animals will you introduce? You need to consider the environment and food chains- everything needs to be able to eat! The environments you can choose from are;

- Woodland
- African savannah
- Rainforest
- Artic

