



## Year 5 Home Learning for Week Commencing 10<sup>th</sup> January 2022

### Science

**LO:** To understand that some mechanisms such as levers, pulleys and gears allow a smaller force to have a greater effect.

In this lesson we will be examining how levers can be used to increase the amount of force we can exert. Follow the lesson presentation to learn about different types of levers.

**Activity 1.** Look around your home for an item that uses each of the types of levers (you might find more than one!) Draw a diagram to demonstrate how each one can be used to change the amount of force you could use. Draw arrows to demonstrate how the force behaves.

**Activity 2.** Using a ruler, pencil, rubber and small weights, devise an experiment to examine how a ruler can be used as a lever to move a weight (the rubber). Use the planning grid to explain how you will ensure the test is fair.

**Activity 3.** Carry out your test and record the results! What have you learned about levers?

**Plenary:** Read the quote by Aristotle. Do you think there is any truth in it? Explain your thinking.

### Topic

**LO:** To learn about the causes of the first world war.

WW1 was the first war in history that was fought by soldiers from all over the globe. But how did it start? In this lesson you will examine some of the most important factors, and make up your own mind about what caused the first world war.

**Carousel Activity.** Complete Tasks A, B and C to learn more about the outbreak of the conflict, and think about historical evidence.

**Task A.** M.A.I.N. causes of war. Read the fact sheet about Militarism, Alliances, Imperialism and Nationalism. Complete cloze activity.

**Task B.** Read the comic strip and fact file about Gavrilo Princip. Examine the evidence and decide if he was a hero or villain. **Extension- Write captions to fit in the speech bubbles on the comic strip.**

**Task C.** Look at each of the pieces of evidence about the first world war. First, sort these into two groups- primary sources or secondary sources. Then, order them from most to least reliable. Then, order them into most to least useful. *Are your orders different? Can you explain your reasoning?*

**Plenary:** Order the causes of the war you studied from the most to least important. Write a few sentences to explain your reasons for your opinion.

### RRSA

#### Article of the Week: Goals in Education

This week we are looking at Article 29.  
Use the PowerPoint to find out information about the importance of education developing every child's personality, talents and abilities to the full.

Complete your chosen primary activities (slides 7 & 8)

### Religious Education

#### Introduction lesson for this term

This term in RE you will be focusing your learning on Buddhism.  
Use [BBC Bitesize link](#) to remind yourself about some facts.  
Complete a KWL grid for the Buddhist religion.

### PE

Complete a Joe Wicks' 30 minute workout.



### Bonus activity

Complete your next task on Espresso Coding.

