

# St. Joseph's Topic Challenge

## Year 6 Summer term 2

Our topics this half term are 'South America' (Geography) and 'The Circulatory System' (Science). To compliment this topic, we ask that you choose from and complete tasks from the menu below.

The heat-ometer suggests the difficulty or challenge the tasks may offer. You should attempt **at least one 'Extra Hot'** task this half term. Complete a total of **4 tasks** from the take away menu and think about doing **two** that link to **Geography** and then a **further two** linked to **Science**.



Produce a plastacine model of the digestive system and label the fuction of each part.	Produce a model to show how a beach is formed. Use any resources you have at home being as creative as possible.	Produce a power point showing how coasts are changed by erosion. Use examples and photos of coasts you have visited if possible.
From the perspective of any form of wildlife found at the coast, write a diary entry about the effect tourists have on your habitat. Especially think about pollution	Do some research on nutrients and produce a poster or leaflet about the 5 key nutrients, what foods they are in and why we need them in our body.	To research and create a leaflet/poster about coastal pollution. <a href="http://www.bbc.co.uk/schools/riversandcoasts/coasts/people_coast/index.shtml">http://www.bbc.co.uk/schools/riversandcoasts/coasts/people_coast/index.shtml</a>  <a href="http://news.bbc.co.uk/cbbcnews/hi/uk/newsid_3959000/3959577.stm">http://news.bbc.co.uk/cbbcnews/hi/uk/newsid_3959000/3959577.stm</a>
Draw a labelled diagram of the digestive system. What happens to food and drink at each stage?	To create a rock pool. Think about the creatures and objects you would find.	Design a meal plan for a week for a healthy, active 11-year-old boy or girl. Include breakfast, lunch, tea and any snacks they have. State why you have chosen this food including nutrient information and why they are suitable for your chosen person. If possible, make a healthy meal for the chosen person.
Find out how long your small intestine is. Use your garden hose to measure the length. Scrunch together to make it fit into your body. How do you think it fits into your body?	Create a rainbow using recyclable products.	Create an experiment to show how acid breaks food down in your stomach. Get some fruit (frozen or fresh), lemon juice (or lime) and a plastic bag.. Put the fruit in a bag and soak in lemon juice. The acid in the lemon acts as stomach acid and begins to break down the fruit that is in your stomach. Record or show your results.