

# St Mary and St Giles Church of England School - Home Learning

## Science

Lots of chocolate is stored on shelves in shops. If the shop is too warm the chocolate will melt. If you hold a piece of chocolate in your hand too long it will melt, but do all types of chocolate melt at the same temperature? Does dark chocolate melt at the same rate as white chocolate? Does the percentage of cocoa solids affect its melting point? For this activity complete an experiment to investigate at what temperature different types of chocolate melt. Create a prediction and come up with a method before carrying out the investigation. Don't forget to write up a conclusion that summarises your findings.



## Art

Using Christopher Wood's (1930) 'Zebra and the parachute' artwork as inspiration create **your own out of nature artwork.**



Write down lots of different habitats. Add them into a bowl. Do the same for lots of different types of animals in a separate bowl. Pick an animal and a habitat out of the bowls. Draw the animal and then create the background habitat that was picked.

What have you made? Does the animal belong there? If not, why not? What else could you add to that habitat?

## PSHE

In PSHE this half term our unit is 'being me'. During this unit we look at our school community and how we can make it a special place.

Create your ideal school community. What spaces are available to you? What are the children and adults like? What activities do you take part in? Are there animals? What are the outdoor spaces like? How are people treated? How would this school community benefit you and others?

## Computing

Using Scratch create a game that will help your friends at school to learn. This could be a spelling game, a times table game or even a grammar game. Why not create multiple games? Make sure that your game is interactive. You could even set up your game so your friends can play against each other. Copy out the code so your friends can create similar games.



## Year 4—Autumn 1

**Choose at least one of these challenges to complete this half term. You will need to submit your work during the week beginning 16th October 2023.**

**You are also expected to complete regular reading, tables and spellings practice.**

## Art

**Task: Create a 3-d animal sculpture**

Your sculpture can be made using paper mâché. Create a torso and different body parts by rolling up the newspaper. Stick different animal parts together with glue and masking tape. Once you have the shape completed, wrap each part of the whole animal in masking tape. When dry, paint your sculpture.



## Science

**Investigation: How much water do we waste?**

Carry out an investigation to find out how much water is wasted when brushing your teeth. recreate cleaning your teeth and measure the water wasted during this daily task. Think about:

How long should we brush our teeth for each day?

When is water used when brushing your teeth?

What equipment could you use to measure the wasted water?



## STEM

While the world produces enough food to feed everyone many third world countries are suffering from hunger and malnutrition. One amazing solution is PlumpyNut—a peanut based paste that is cheap, easy to make and designed to give malnourished people the nutrients they require.

**Task: Make your own version of PlumpyNut.**

You can use a range of nutrient-rich / high calorie foods, e.g. powdered milk, cooked brown rice, honey, raisins, dried fruit, shredded coconut. Write down all the ingredients you use and the measurements. Calculate how much protein, carbohydrates and fat will be in your version of PlumpyNut.

## Art

Animals have been a source of inspiration for many artists. From art about rural life and growth, to myths and legends, animals are used in art in many different ways. Art can help us explore our relationship to wildlife and can help us think about how we care for animals and the environment.

Research an artist whose work is focused around animals. Consider: Who are they? Where are they from? Which artwork are they most known for? Where can their artwork be seen? How are their drawings unique? Which century is the artwork from? What does their artwork show?