



Lesson 7: School Summer Climate Action Challenge (Part four)

Exercise 1: Continuing the design process for a recycling bin strategy for GFMAT

Teachers notes: 10 minutes

We would like to work with you to come up with a plan for recycling bins in the classroom and to test a prototype over the summer term. The learning from this test will help design a recycling bin plan (and bins) for GFMAT to introduce in 2023.

We agreed to create a recycling bin strategy that:

- Educates fellow students on why it is important to recycle
- Provides bins that inspire fellow students to sort rubbish and recycle
- Allows us to record what is thrown away and use this data to reduce GFMAT's collective carbon footprint over time

For the Summer Climate Action Challenge we will:

- Prepare and present information for fellow students that educates about why
- Provide them with temporary boxes to start sorting rubbish for recycling
- Record weight and volume data for the period of the Challenge to understand more about what is currently thrown away

In lesson 6 we chose 3 stories that we will use in the design of our recycling bins:

- **The Arctic Inuit and the Polar Bear**
- **The Amazon Sápara and the Jaguar**
- **The Torres Strait Islanders and the Great Barrier Reef**

And we started to work in our project roles on elements of our design. Today, we will continue with this work and:

- Create an assembly presentation



- Design some logos for our project
- Define the details of our challenge

Exercise 2: Create an assembly presentation and design some logos for our project

Teachers note: 35 minutes



We will undertake this exercise in our project roles previously specified and we suggest the project manager introduce and coordinate the team's work (with support from the teacher) – helping each person understand their task and checking in with progress/ offering support during the exercise.

Summer School Climate Action Challenge Assembly Presentation

Introduction

"The reason we are here today is because we, as a school and a community, have to start recycling way more often.

As a school, we need to recycle more because it's not just bad for the environment when we don't recycle, it also affects ours and others' futures.

Our ultimate view as part of the GFM and part of the world that we can save the environment is to reduce our carbon footprint."

(Introduction written by Writer and Presenter in lesson 6)

Tasks to be undertaken in lesson 7 exercise 2

<p>Numbers Guru</p> 	<p>Writer and Presenter</p> 	<p>Internet Researcher</p> 	<p>Illustrator</p> 
<p>Find out online:</p> <ul style="list-style-type: none"> • What do we mean by 'carbon footprint'? • What is the world's carbon footprint? • What is the UK's carbon footprint? • What is Gosport and Fareham's carbon footprint? <ul style="list-style-type: none"> ○ Search for the average carbon footprint per person in the UK ○ Search for the population (number of people) living in Gosport and Fareham 	<p>Re-watch a few of the films:</p> <ul style="list-style-type: none"> • The Arctic Inuit and the Polar Bear • The Amazon Sapara and the Jaguar • The Torres Strait Islanders and The Great Barrier Reef <p>Write a few sentences about what will happen to people and animals in each of these places if we don't reduce our carbon footprint</p>	<p>We need some images to illustrate our presentation – under supervision use this internet site https://pixabay.com/ to look for and download one photograph of:</p> <ul style="list-style-type: none"> • A "polar bear" • An "iceberg" or "glacier" • A "jaguar cat" • "Amazon rainforest" • The "Great Barrier Reef" 	<p>We need some 'logo' designs to use in our challenge:</p> <ul style="list-style-type: none"> • Arctic (recycling paper and card) • Amazon (recycling glass) • Reef (recycling plastic) <p>Have a go at sketching a few simple 'logo' designs that capture:</p> <ul style="list-style-type: none"> • The Arctic – cold – ice – polar bear - ... • The Amazon – hot – green – jungle – jaguar -... • The Reef – water – coral – fish – crabs <p>Look at the photos being found by the Internet Researcher for inspiration if that helps! Doesn't have to be a work of art!</p>



<ul style="list-style-type: none">• How many polar bears are there in the world?• How many trees are there in the Amazon?• How many Islands are there in the Torres Strait?			
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Everyone as a group activity: Choose one of the short films to share during your presentation from the Arctic, Amazon and Torres Strait videos you viewed in Lesson 6.

Exercise 3: Review the detail of our challenge

Teachers note: 15-20 minutes

Everyone: Discuss practicalities and finalise the recycling challenge you would like to set form classes across the school in the Summer term.
Potential idea:

- Have 3 boxes in each class – to collect:
 - Paper and card waste
 - Clean plastic
 - Clean glass
- Students in class weigh the ‘collection’ in each box every day over 1/2/3/4 weeks [how long?]
- Record daily data as a class and provide a weekly report to the Services Six Team [how?]
- At end of challenge period, we will calculate the overall CO2 reduction that would have been achieved if GFMAT had recycled during this period
- Helps build the case for GFMAT introducing recycling next year
- How practical is this idea? How can we make it practical? Do you want to introduce some element of competition? How can you promote the Challenge?