

Aspire ~ Believe ~ Achieve



St. Antony's Catholic College
in partnership with Loreto Grammar School



Our Planet Needs You!

Year 7 Home Learning

Spring Term 2018



Our Planet Needs You

Overview

Over the next term, you will be working on another extended homework project with the theme shown at the top of this page. There are a number of subject areas involved in this project but it will only form **part** of your learning for these subjects. **As per the homework timetable**, you should **expect other homework** that will not necessarily be connected to this project.

You will be awarded marks out of a **maximum of 10 for every subject area**, and each subject area has listed what exactly will get you those 10 possible marks. Your teachers will give you guidance on the tasks that they would like you to complete and you should ask for help from them at any time before the deadline for their subject.

You will also be awarded **1 additional mark** by each teacher if the work for them is completed **on time**.

The whole project must be handed to Mrs Wright by Thursday 29th March 2018.

There are several tasks to do for this Extended Project from different subject areas and The Extended Project for the Spring Term will be graded from a Pass up to a Distinction *.

You should complete the tasks set by your teachers to the **best of your ability** since this is your chance to produce work that you are really proud of and that you can keep to show your own children in the future. You will be developing a range of skills, including:

- Research
- Organisation of research findings
- Explanation
- Evaluation
- Accurate use of spelling, punctuation and grammar
- Organisation of time





Our Planet Needs You

English extended writing task

You will be writing an extended piece of work entitled:

'The Day the Earth Changed'

Our Planet is changing and not necessarily for the better. Imagine it is 1000 years in the future. Write a story that is entitled 'The Day the Earth changed.' This piece should be approximately 2 sides of A4 in length. You need to describe how the Earth has changed and how the people are dealing with it.

You should try to include some interesting words and phrases to describe how you feel and what you see. What are the significant differences in your life and why have they happened?

Marking Criteria

As with all other parts of this project, this extended piece of writing will be marked out of 10.

1. Student has described what the Earth is like now.
2. Student has described their feelings at three different parts of the day.
3. Student has used interesting vocabulary to describe the new Earth.
4. Students have used figurative language such as similes and metaphors.
5. Student has an appropriate beginning.
6. Student has provided an interesting ending.
7. Student has written in appropriate paragraphs.
8. Student's sheet is well presented, attractive and clear to read.
9. Student's spelling, punctuation and grammar is generally good - no more than 5 errors.
10. Student's spelling, punctuation and grammar is almost perfect - no more than 2 errors.

Each point above will be awarded with 1 mark to a maximum of 10 marks.

Expected homework hours – 2

Submission date – 2nd March 2018





Our Planet Needs You!

Geography

The BBC program The Blue Planet highlighted the issues of destroying the world's oceans. Your job is to write/type a report for the World Wildlife Federation describing how humans are having a negative impact on oceans.

You can include text, pictures, diagrams and graphs and the summary should be presented to the best of your ability. It can be produced by hand or on the computer but must be all your own work. It is important that you focus on your spelling, punctuation and grammar.

Marking Criteria

As with all other parts, this summary sheet will be marked out of 10.

- 1. Describe the impacts of ocean pollution. Try to include figures in your response (2 marks)**
- 2. An annotated picture/or map of the impacts of ocean pollution (4 marks)**
- 3. An explanation of what can be done help the oceans (4 marks)**

Use these websites to help:

<http://www.bbc.co.uk/programmes/b008044n>

http://wwf.panda.org/about_our_earth/blue_planet/problems/pollution/

http://www.ducksters.com/science/environment/water_pollution.php

Expected Homework Hours - 2

Submission date – 9th March 2018





Our Planet Needs You

Spoken Language/Oracy

You will be presenting a spoken language piece entitled:

'Companies should use less packaging for their products in order to save the planet'

You must prepare a supporting sheet which should be one side of A4. **You need to state and explain three main arguments in support of the statement above.** You could also produce a counter argument if you wish (thinking about who might disagree). You will need to conclude your piece with your own views and findings.

You can use supporting media such as a PowerPoint or YouTube clip.

Marking Criteria

As with all other parts, this spoken language piece will be marked out of 10.

- Student is audible i.e. can be heard
- Student makes eye contact with the audience when they present
- Student uses standard English when they present
- Student uses a range of interesting, high-level vocabulary
- Student has attempted to organise and structure their presentation in a clear way
- Student has organised and structured their presentation in a clear way
- Student makes an attempt to interest their audience in the presentation delivery
- Student interests their audience well in the presentation delivery
- Student is not relying on resources too much i.e. not reading straight off slides or a handout
- Student listens to questions/feedback and provides an appropriate response

Each point above can be awarded with 1 mark to a maximum of 10 marks.

Expected Homework Hours – 2

Submission date – 16th March 2018





Washed Ashore – Poster Design

Art

During Year 7 you have been studying the human impact of littering and waste disposal on our oceans. Design a poster to highlight the issue, and present a positive message for people to act on to help reduce the problem of waste on sea-life.

Marking Criteria

As with all other parts, this will be marked out of 10.

Design:

1. Design a poster to highlight the impact of sea pollution **(5 marks)**
2. Promote a positive message for people to act on, to reduce the impact of waste **(2 marks)**
3. Add colour neatly to enhance your poster **(3 marks)**

You can use this website to help:

www.washedashore.org

Expected homework hours: 2

Submission date: 16th March 2018





Our Planet Needs You

Computing

Your job is to investigate the impact of Computer Systems on the environment.

Computer Systems have both positive and negative effects on the environment. **Research all three** of the following topics below. On each of the topics, discuss **two positive** and **two negative** impacts this topic has had on the environment.

Topic 1 - Impact of Computers

Environmental issues include the carbon footprint and waste productions that result from manufacturing computer systems, but this is often outweighed by the positive effects on the environment of using computerised systems to manage processes that might otherwise generate more pollution.

Considerations may include:

- Does a computer system mean that people can work from home and therefore drive less?
- Has computer technology led to a “throw-away society”, with huge waste dumps of unwanted products which are thrown away rather than repaired or upgraded?
- Is working at home more environment-friendly than everyone working in a big office, in terms of heating and lighting?
- Do computer-managed engines work more efficiently, create less pollution and use less fuel?

Topic 2 - Computers & Waste

The pace of technology is so rapid that computers, mobile phones and handheld-devices that seemed so desirable a few short years ago are now discarded without a thought for the latest must-have pieces of equipment. Are they recyclable or are they simply contributing to a huge mountain of waste containing dangerous chemical elements, which leach into water supplies in developing countries?

Computer-aided manufacturing can result in more and cheaper products. But does this lead to more waste?

Topic 3 - Computers and Safety

Many dangerous jobs can now be done by remote-controlled devices and sensors. For example:

- Bomb disposal robots can destroy bombs remotely
- Devices can sense poisonous gases in mines
- Weather data can be collected from the top of a mountain or from inside a volcano without a scientist having to go into these dangerous situations every day to collect it.

Using data collected about weather, volcanic activity and movement beneath the earth's surface, people can be warned about impending disasters such as hurricanes and earthquakes and moved to safety.

Marking Criteria

As with all other parts, this will be marked out of 10. You will need to:

1. Discuss two positive and two negative points regarding the topic **Impacts of Computers** on the environment **(3 marks)**
2. Discuss two positive and two negative points regarding the topic **Computers and Waste** on the environment **(3 marks)**
3. Discuss two positive and two negative points regarding the topic **Computers and Safety** on the environment. **(3 marks)**
4. Checked your spelling, punctuation and grammar to make sure it is accurate **(1 mark)**

If you require any further help with this extended homework please email m.fearn@st-antonys.com

Expected homework hours: 3

Submission date: 23rd March 2018

