

Summer Work Year 11 into 12

Name of Subject: Geography

Summary of the course:

Exam Board: AQA

Course Title: **Physical** (Hazards / Coastal Systems / Water and Carbon Cycle)
Human (Changing Places / Population and the Environment / Global Systems and Governance)

Subject/unit lead teachers and their contact:

Human. Mr Jones (chris.jones@plymptonacademy.tsat.uk)

Physical. Mr Strachan (Jim.Strachan1@Plymptonacademy.tsat.uk)

What should I get in preparation for September?

Microsoft Teams downloaded on phone / Laptop

OneNote app downloaded on phone / Laptop

Pens

Pencils

A residential trip will be happening in January to Dorset. Details will be provided in September.

How will this be assessed in September?

For Human and Physical geography, you will complete knowledge based tests about the following topics from GCSE:

Resource Management

Coasts / Rivers

Changing Economic World (Excluding Nigeria and UK)

Hazards

These are the topics which are directly followed on in A level.

Read it:



Physical - Read the following pages about the Carbon Cycle. This should give you a nice introduction into what the Carbon Cycle is.

<https://www.tutor2u.net/geography/reference/carbon-cycle-land-oceans-and-atmosphere>

<https://www.tutor2u.net/geography/reference/carbon-stores-and-cycles>

Human - Read the following theory summaries about what place is / near and far places / experienced and media places

<https://www.tutor2u.net/geography/reference/introduction-to-concept-of-place>

<https://www.tutor2u.net/geography/reference/near-and-far-places>

<https://www.tutor2u.net/geography/reference/experienced-places-and-media-places>



Watch it:

Human

Watch the youtube clip below and summarise what 'place' is in 100 - 200 words

<https://www.youtube.com/watch?v=huzwgA9yFbg>

Summer Work Year 11 into 12

Physical

Watch the following clip and summarise what the different spheres of water are and the distribution of water around the planet. 100 - 200 words max

<https://www.youtube.com/watch?v=IEetgzTfBx8>

Do it:

Human

Think about two places - one which you have a strong personal connection to (NOT PLYMOUTH) and one where the media has made you have a negative perception about it. Provide reasons for your choices. E.g. Plymouth is close to me as it's where I grew up

etc. and I have a negative perception about Manchester from how it has been presented in media throughout my life - I have never been to Manchester

Physical

Convert the water cycle into a flow diagram including all the potential routes that water could take. This should be a closed system (Never ends but goes around in a circle)



(Optional) Stretch it:

Even Though it is a long way off, it would be good to start thinking about your NEA (Non examined assessment) early. Start writing down which parts of Geography interest you the most and any potential investigations you want to carry out (e.g. looking at the effect of Drake Circus on the rest of Plymouth City Centre)

Fieldwork skills:

Place Fieldwork: Using two locations of your choice, conduct a 'place study'. You want to find out what the place is like to live in. There are a number of ways you can do this

- Environmental quality index (Google it for a template) - This is where you judge what a place is like based on your interpretation (e.g how much litter is there / would you feel safe at night etc.)
- House price investitaton (Found online) - Find out the average house price for the area using Zoopla
- Quality of Life survey - Questionnaire. I have attached a template <https://www.questionpro.com/survey-templates/quality-of-life-survey-template/>
- Land use transect - useful if where you are studying is full of shops. Using an OS map, identify the different land use types along a straight line.

Rivers Fieldwork: Conduct this fieldwork on a nice day at Cadover Bridge / Plymbridge You must be safe in the water and **must be with at least 2 other people**. You want to find out if the River Plym follows the Bradshaw model: https://www.coolgeography.co.uk/A-level/AQA/Year%2012/Rivers_Floods/Channel%20characteristics/Channel%20Characteristics.htm

To do this you can:

- Measure the width: Using a tape measure measure the river from one side to another
- Measure the depth: Using a ruler (better if you use a metre ruler), measure the depth at equal intervals along the width (e.g every 20cm)
- Load size: Pick up 6 random rocks in a space in the river and measure their size on the longest axis. Work out the average load size
- Velocity: Using a metre ruler if possible or tape measure, time the amount of time it takes for an object (e.g. cork) to travel that distance in the river. This will give you the speed in metres per second
- Discharge - The amount of water passing a single point in a river. To work this out you need the velocity and *area (width x average depth)* of the river.



Summer Work Year 11 into 12