Subject	Year	Term
Geography	8	Summer Term 1
Topic		**Concept**
Why is the UK weather so changeable?		Systems and Processes

Content + skills (Intent)

Prior Learning (Topic)
KS1/KS2 –

- Collect, analyse and communicate with a range of data gathered through experiences of fieldwork that deepen their understanding of geographical processes
- identify seasonal and daily weather patterns in the United Kingdom and the location of hot and cold areas of the world in relation to the Equator and the North and South Poles
- use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment.
- physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
- Describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.

KS3 at Balcarras – Sustainability of Balcarras and Charlton Kings (Year 7), Flooding (Year 7), Human Impacts on Physical Landscapes (Year 7), Climate Change (Year 8),

Pupils will:

- Be able to define weather and climate and understand how they are different.
- Learn why weather and climate varies across the planet.
- Understand how we measure the weather.
- Learn how to interpret weather maps and create their own weather forecasts using a set of weather data.
- Learn why it rains and the different cloud types.
- Learn what a microclimate is and the factors that influence climate in a small area.
- Undertake a microclimate investigation around the school.

Future Learning (Topic)
KS3 at Balcarras – Antarctica (Year 8), Ecosystems (Year 9), Coasts (Year 9), Clean Water (Year 9), Paradise Lost? (Year 9)
KS4 at Balcarras – Physical Landscapes in the UK (Year 10), Natural Hazards (Year 10), Resource Management (Year 11), The Living World (Year 11)
KS5 at Balcarras – Hazards (Year 12), Coastal Systems and Landscapes (Year 12), Water and Carbon (Year 13), Population and the Environment (Year 13).
Cross curricular- Science

How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)
A series of lessons covering: weather and climate (including global patterns), measuring the weather, weather forecasting, rain and clouds, microclimate, extreme weather and tropical storms. Microclimate data collection around school.	Pupils will complete a graded assessment in the form of a geographical fieldwork enquiry assessment based on a microclimate investigation around the school environment. Pupils will complete a guided reading homework task and a knowledge quiz homework task as part of the topic.

How can parents help at home?

Support with homework and revision techniques for graded assessments. Discuss current affair issues by watching/reading the news. Download the BBC or Guardian news app and set to environmental notifications to receive the most update articles. Watching relevant documentaries.

Websites you could look at:
https://www.bbc.co.uk/newsround
https://www.bbc.co.uk/bitesize/topics/zx38q6f
http://www.weatherwizkids.com/
https://www.dkfindout.com/us/earth/weather/
https://www.bbc.co.uk/weather

Programmes/Films you could watch:
Global Climate Debate – BBC I Player
Panorama – Wild Weather: Our World Under Threat – BBC I Player
Britain's Wildest Weather – Channel 4
Extreme Weather Podcast - https://www.bbc.co.uk/programmes/p09qy22c

Conversation Starters:
Weather and climate are the same thing.
Lightening never strikes twice at the same location.
The strength of the wind if the most important factor in determining the damage caused by tropical storms.
Red sky at night shepherd's delight, red sky in the morning shepherd's warning. Is this saying true?
Do new spider webs mean dry weather?

Helpful further reading/discussion

Reading	**Vocabulary Lists**	**Careers Links**
How to read the weather – Storm Dunlop The Cloudspotter's guide - Gavin Pretor-Pinney The Cloud Collectors Handbook - Gavin Pretor-Pinney Is Our Climate Changing? by Anne Rooney	Weather Climate Temperature Humidity Visibility Forecasting Microclimate	Jobs linked to the topic referenced within lessons e.g. meteorologist, climate change related jobs. https://www.bbc.co.uk/bitesize/articles/zv6992p https://www.bbc.co.uk/bitesize/articles/zbywwnb https://nationalcareers.service.gov.uk/job-profiles/meteorologist Further information on the VLE. https://www.bbc.co.uk/bitesize/careers