**Plate Tectonics ⮊ You should be able to:**

* Label the layers of the earth
* Name the plates and what forms at each plate margin (pulling apart/coming together and sliding past each other)
* Name an earthquake you have studied and describe its effects.
* Label the parts associated with an earthquake
* Describe how fold mountains are formed using a diagram.
* Explain the difference in size between Ireland fold mountains and the Alps
* Describe what happens at the mid Atlantic ridge
* Label the parts of a volcano
* Know different types of active/ dormant and extinct volcanoes.

**Rocks ⮊ You should be able to:**

* Name the three different rock groups.
* Give two examples of rocks in each rock group.
* Give locations for rocks in Ireland
* Describe and explain how each rock is formed
* Explain how rock can be economically beneficial to people.

**Weathering ⮊ You should be able to:**

* Explain how freeze thaw action occurs
* Explain what oxidation is.
* What carbonation is and how it effects limestone

**The Burren⮊ You should be able to:**

* Describe how chemical weathering affects limestone (carbonation)
* Recognise the surface features on the Burren and be able to describe how they are formed (limestone pavement)
* Recognise underground feature in the Burren and be able to describe how they are formed ( pillar, stalagmite, stalactite).

**Mass Movement ⮊ You should be able to:**

* Recognise all types of mass movements on a diagram.
* Discuss the reasons for mass movement.
* Recognise mass movement in relation to its speed.
* Give an example of the damage that mass movement can do to an area.

**Rivers ⮊ You should be able to:**

* Describe and explain the processes of erosion- Hydraulic action, abrasion, solution and attrition.
* Describe how a river transports it material.
* List all features of erosion and deposition and recognise them on a diagram/ OS maps.
* Be able to draw a diagram of a feature of erosion, give an example and explain how it is made.
* Be able to draw a diagram of a feature of deposition, give an example and explain how it is made.
* List the good/ bad aspects of building a dam/ give example of a dam.

**Coasts ⮊ You should be able to:**

* Describe and explain the processes of erosion- Hydraulic action, compression, abrasion, solution and attrition.
* Describe and explain the processes of deposition- Longshore drift, swash backwash.
* Be able to list all features of erosion and deposition and recognise them on a diagram/ OS maps.
* Be able to draw a diagram of a feature of erosion, give an example and explain how it is made.
* Be able to draw a diagram of a feature of deposition, give an example and explain how it is made.
* Discuss how erosion and deposition are affecting an area you have studied (Ballycotton) and how one might stop this (sea wall, groynes, boulders etc).