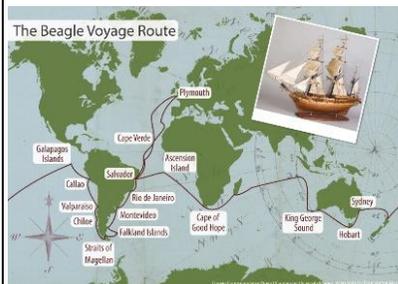


Evolve! Sharks Homework - Autumn Term

Please choose **three activities** from the themes below to complete as independent homework projects during this term. You can use your imagination and follow your own interests within each of the areas described and it is up to you how you present your work - a piece of writing, a model, a PowerPoint... be as creative as you like! Check out the Homework folder on Teams for some extra resources to help.

Submit your work electronically via Teams or by emailing to homelearning@fritwell.oxon.sch.uk by Friday 12th November.



Exploration and Discovery

Charles Darwin spent 5 years travelling around the world as the naturalist on the HMS Beagle; his observations on that trip formed the basis of his famous work, *On the Origin of Species*.

There have been many other famous explorers throughout history, not only travelling around the world and discovering new lands (eg Christopher Columbus), but climbing to new heights (Sir Edmund Hillary), allowing us to explore new depths (Jacques Cousteau) and even space (Yuri Gagarin). You could choose one of these, or another explorer to find out about.

Will you plot the route the explorer took on a map, labelling key points on their journey? Might you write a diary, in role as the explorer? Or film a news report, explaining where they went and what they discovered?

Animal Adaptations!

As he explored new places like the Galapagos Islands, Darwin discovered that animals are adapted to survive in the specific habitat they live in: the survival of the fittest.

What do you know about animal adaptations? You might choose to research an interesting animal and explain to the class how it is adapted to its environment. Or you could choose to find out about the demands of one of Earth's biomes, and then design a new creature which would be well adapted to survive in that habitat.

Could you draw a labelled diagram of your animal? Write a fact-file or non-chronological report to describe its special features?





Walking with Wildlife

Darwin used close and careful observation to notice and record differences between animals. Make your own observations of local wildlife.

How will you present your findings: detailed drawings of the wildlife you have seen; a photo or video diary; a map of the local area showing what you have found where?

What happens if you take a nature walk at different times of day or as the term passes? Do you see the same wildlife? What if you visit different areas locally - does the wildlife change?

Berks, Bucks and Oxon Wildlife Trust has a number of local wildlife reserves you may wish to visit: <https://www.bbwt.org.uk/>



Health and Fitness

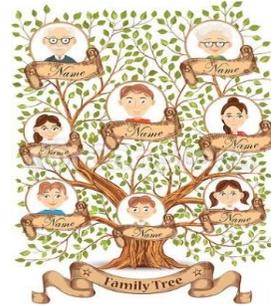
In Science, we are learning about the human body, including the circulatory system and how the heart and lungs supply the muscles with oxygen.

Exercise is vital in keeping the body fit and the heart strong. You could create an information pack or poster with instructions on how to stay fit and well.

Or you could conduct an investigation into your own fitness. How do different types of exercise effect your heart rate? Does exercising for different lengths of time effect your heart rate? (See the homework folder on Teams for some resources which might support you with planning a fitness investigation.)

Family Tree

Darwin discovered that evolution occurs as parents pass down desirable features to their offspring through their DNA.



Why not explore your own family tree! Which of your features come from which of your parents? How far back in your family tree can you trace your eye colour... hair colour... ability to roll your tongue?

We are also learning about how humans change as they age. Who are the oldest and youngest people in your family? Do your parents or grandparents have photos of themselves when they were younger? Can you see any similarities or differences? You might like to interview different members of your family, create a family fact file, or make your own family tree.

Kilvrough!

For lots of us, I am sure that the highlight of the term will be our trip to Kilvrough. How can you record your experience to help you remember it and share it with your family?

Would you like to write a diary about the trip? You could use photos to present this as a photo power point or video.

Could you produce a set of instructions about how to do one of the activities you enjoyed at Kilvrough?

Or write a letter to next year's Sharks sharing top tips for how to enjoy a residential.



