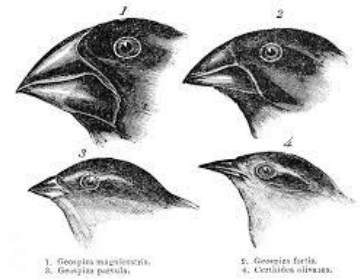
Wider Curriculum Planning Autumn 2

Theme: Earth! Wind! Fire

Subjects: Science, D&T, Geography and Music

Year 5 & Year 6 Science						
NC Objective	recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago?	recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago?	recognise that living things produce offspring of the same kind but normally offspring varies and are not identical to their parents.	identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
Question	**Are humans Earth's first inhabitants? How can we be sure?**	Show children a picture of Charles Darwin's finches  Darwin studied how species were similar/ different for years in the Galapagos Islands. **To what conclusion did Drawing reach about these finches?**	Present a picture of a kitten (long fur, grey) and a picture of 2 adult cats (one long hair, one short hair, any colour (not gray)). Ask. **Could these be the parents of the kitten? Why?**	Santa wants to replace his reindeers with camels. **Would this be a good idea? Explain.**	Link to previous lesson, focus on plant adaptations. **Would you find an orchid growing in the desert?**

Year 5 & 6 D&T						
NC Objective	Use creative or innovative links between science and technology to support technical approaches	Use creative or innovative links between science and technology to support technical approaches	Design products for a service or profit Create products using cams or other interrelated components	Design products for a service or profit Create products using cams or other interrelated components Ensure quality finish of models	Ensure quality finish of models Measure success of own products w reference to the design brief + original ideas	N.C. evaluate their ideas and products against design criteria

				Measure success of own products w reference to the design brief + original ideas		
Question	What were the first bridges like?	Are all bridges the same?	Which bridges are the strongest?	Can I design a bridge to span a river with high winds?	How will I test and evaluate my bridge?	What went well? Even better if…

Year 5 and 6 History / Geography					
NC Objective	Describe and understand climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes	Describe and understand climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes	Describe and understand climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes	Describe and understand economic activity including trade links, and the distribution of natural resources	Describe and understand economic activity including trade links, and the distribution of natural resources
Question	What is a river and how do they change?	What happens when the water dries up?	What is it like to live in an environment where there is too much water?	How do we cope when there is not enough water?	Case study to compare living in different countries affected by extremes of weather.

Year 5 and 6 Music					
NC Objective	Develop an understanding of the history of music	Develop an understanding of the history of music	Develop an understanding of the history of music To use ICT to record and manipulate music	To use ICT to record and manipulate music	To use ICT to record and manipulate music
Question	Can music be placed on a timeline?	Where do famous musical composers fit into our timeline?	Can I compose a piece of music to represent a period of time thinking about great musicians from throughout history?	Is it possible to layer music from other time periods? (recording and using computers to manipulate?) x 2	Is it possible to layer music from other time periods? (recording and using computers to manipulate?) x 2