

Autumn 2

Desert Class – Home Learning Project

We have two main topics this half term. Choose two separate activities to complete (from either topic).

Please bring in your project or email it to me on Monday 8th December so we can share them in class this week. sarah.vail@shillingstone.dorset.sch.uk

GEOGRAPHY – Our Changing World	SCIENCE – Circulatory System
The Earth's Zones • Draw and label a diagram of the Earth showing the Equator, Tropics of Cancer and Capricorn, Arctic and Antarctic Circles, and the Prime Meridian. • Add the main climate zones (polar, temperate, tropical).	Model the Circulatory System • Create a 3D model or labelled diagram showing the heart, arteries, veins, and lungs. • You could use: red and blue string for blood vessels, a balloon or sponge for the heart, and recycled materials for other organs. • Label each part and explain (in your own words) what it does.
Where in the World? • Choose three world cities (e.g. London, Sydney, New York). • Find their latitude and longitude and identify their time zones. • Work out what time it is in each when it's 12 noon in London.	Eat Like a Scientist! • Research foods that help keep your heart healthy (e.g., fruits, vegetables, fish, whole grains). • Create a one-day "Heart-Healthy Menu" with breakfast, lunch, dinner, and snacks. • Include explanations of how each meal helps your body stay strong.
Map Scale Challenge • Measure the distance between two towns on a map using the scale. • Convert the map distance to real distance (in km)	Heart Art • Create a heart-inspired art piece (collage, painting, or sculpture).
Climate Change Detectives • Research one effect of climate change (e.g. melting ice caps, drought, flooding). • Create a short fact sheet or poster explaining: ○ What's happening ○ Why it matters ○ What people can do to help	The Dangers of Harmful Substances • Create a poster, leaflet, or short presentation warning people about how these substances harm the heart, lungs, and blood. • Use pictures, facts, and persuasive language. • Include at least three clear facts and one positive alternative (e.g., exercise, relaxation, sports).
Global Trade Connections • Look around your home for 5–10 items (clothes, food, gadgets). • Write down where each was made. • Plot the countries on a world map. • Why do we trade with these countries? How does trade connect us globally?	Creative Writing – Journey of a Blood Cell • Write a story or comic strip from the point of view of a red blood cell travelling around the body. • Describe where you go, what you see, and what you do (e.g., "I pick up oxygen in the lungs..."). • Include scientific facts in your story to show your understanding.

I look forward to seeing all of your wonderful learning!