

BLACK HORSE HILL JUNIOR SCHOOL - ART LEARNING SEQUENCE



DRAWING/PAINTING

Enquiry/ Learning Intention	What the children will know/ Essential knowledge
What is shading and what techniques can be applied?	Children will know how to use shadow to show light and shadows. They will be able to explain the different types of shading to show tone and texture.
Which shading technique would they use to show a cracking egg?	Children will be use a variety of techniques to add interesting effects, (shadows, direction of sunlight, tone and texture)
How can we make a picture of an artefact come alive?	Children will sketch lightly and use shadow, light, tone and texture in their drawing.
How can we make a flower look 3D?	Children will create different effects and textures with paint. They will also apply their knowledge of primary and secondary, warm and cold complimentary colours.

BLACK HORSE HILL JUNIOR SCHOOL - **COMPUTING LEARNING SEQUENCE**

SHARING INFORMATION

Enquiry/ Learning Intention	What the children will know/ Essential knowledge
What is a system?	Systems are built using a number of parts which feature inputs, processes and outputs. Computer systems communicate with other devices.
What are the roles of computer systems in our lives?	Identify tasks that are managed by computer systems and the human elements of a computer system. Benefits of a given computer system.
How is information transferred?	Data is transferred using agreed methods and networked digital devices have unique addresses. Data is transferred over networks in packets.
How do people work together when they are not in the same location?	Connected digital devices can allow us to access shared files stored online. Information can be sent over the internet in different ways. The internet allows different media to be shared.
How can they work together on an unplugged activity?	Strategies to use to ensure successful group work with thoughtful suggestions. Compare working online with working offline.

BLACK HORSE HILL JUNIOR SCHOOL - SCIENCE LEARNING SEQUENCE

Forces

Enquiry/ Learning Intention	What the children will know/ Essential knowledge
Which mechanisms help us to move objects using less force but more effectively?	Objects can be moved by levers, pulleys and gears and be able to identify these in real life settings showing a basic understanding of the main components of each mechanism using key scientific language e.g. pivot,cogs e.t.c
What is the smallest weight you can use to lift a rubber with a lever?	Use scientific enquiry to predict and carry out a fair investigation and identify the optimum weight needed to raise the rubber smoothly.
Which surface provides appropriate friction to move a car forward smoothly?	That friction is a force between two solid surfaces sliding against each other and that friction always slows a moving object down. They will identify appropriate surfaces to slow down a car and the properties which cause the friction.

BLACK HORSE HILL JUNIOR SCHOOL - GEOGRAPHY/HISTORY LEARNING SEQUENCE

Ancient Greece

Enquiry/ Learning Intention	What the children will know/ Essential knowledge
Introductory lesson: Knowledge harvest/Vocabulary focus	Children will consider what they already know and what they would like to know about Ancient Greece. They will find and record definitions for key vocabulary needed when studying Ancient Greece.
Geography: Where is Greece and what are the natural geographical features of the country?	Greece is in Europe and its capital city is Athens. Greece has the longest coastline in Europe and includes over 2000 islands, the largest of which is Crete. Greece has a warmer climate than the UK and is very mountainous.
Geography: How do mountains form?	Greece is 80% mountainous. Its highest mountain is Mount Olympus. Greece lies on the edge of a tectonic plate. Mountains are formed in a variety of ways, including volcanoes and fold mountains.
Geography: What were the 'city states' of Ancient Greece?	Ancient Greece was not a country, it was a civilisation made up of 'city-states' (polis). City-states made their own rules and often fought each other.