Science - Assessment
Year 6 Summer 2

Key Vocabulary

Circulatory system	the system that circulates blood and lymph through the body, consisting of the heart, blood vessels, blood, lymph, and the lymphatic vessels and glands.
Component	a part or element of a larger whole.
Parallel	side by side and having the same distance continuously between them.
Characteristics	a feature or quality belonging typically to a person, place, or thing and serving to identify them.
Evolution	the process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth.
Dispersion	the separation of white light into colours or of any radiation according to wavelength.
Convex	having an outline or surface curved like the exterior of a circle or sphere.
Concave	having an outline or surface that curves inwards like the interior of a circle or sphere.
Invertebrate	an animal lacking a backbone.

Why don't you...

Classify the different animals in your local area?

Create a 3d model of the circulatory system?

Make an information leaflet, explaining how electrical circuits are used?

Draw a diagram showing how water is transported within different animals?

Website Links

https://www.theschoolrun.com/what-electricity

https://superbrainybeans.com/science/light-and-sound/year-5-6/

Enquiry Questions

Are there any characteristics that all animals and humans share?
Which part of the circulatory system could you live without?
What are the differences between the way water is transported in animals and humans?
How do you make a bulb brighter, a buzzer sound more quietly or a bulb to turn off quicker?

Scientific Concepts

Processes - A series of actions or steps taken in order to achieve a particular end. The process of increasing in size.

Structure and function - Anything composed of parts arranged together in some way has a structure. A function is a specific job or procedure.

Scientific Knowledge

- Give reasons for classifying plants and animals based on specific characteristics.
- Describe the functions of the heart, blood vessels and blood.
- Describe the ways in which nutrients and water are transported within humans and animals.
- Give reasons for variations in how components function. (brightness of bulb, buzzer volume, on/off position of switches).

Scientific Skills

Use different ideas and suggest how to find something out.
Make and record a prediction before testing.
Plan a fair test and explain why it was fair.
Set up a simple fair test to make comparisons.
Explain why they need to collect information to answer a question.
Obtaining and presenting evidence.