

LEARNING JOURNEY

Biology



Why do we breathe?

Year 7 Summer Term

Biology is the study of living organisms and their environment.

In this module you build use your previous knowledge or organ systems to explore our breathing system.

You will also explore how the breathing system is adapted to carry out it's job efficiently.

Why do we breathe?

The lungs

You will learn about the structure of the lungs and explain how the lungs are adapted to take up oxygen

Breathing

You will learn about the bell jar model and how it is used to model how the lungs work

The blood

You will learn about the components that make up blood and the function of each component

Blood vessels

You will learn about the structure of arteries, veins and capillaries and how they are adapted to their function

The heart

You will learn about the main parts of the heart and how the heart works to pump blood around the body

TUDOR HABITS: You will develop the Tudor Habit of responsibility as you learn about how certain factors can affect lung function.

VOCABULARY:

Lungs
Alveoli
Artery
Vein
Red blood cell
White blood cell

Capillary
Blood vessel
Heart
Blood vessels
Plasma
Platelets