



## Science Vertical Concepts

### 7. Organisms are organised on a cellular basis

#### Nursery

#### Year 1

Living things, including humans, react to their surroundings with their senses.

#### Year 3

Living things need water, air, food, a way of getting rid of water and an environment that stays within a particular temperature range.

#### Year 5

#### Year 7/KS3

All living organisms are made of one or more cells, which can only be seen through a microscope.

All basic functions of life – growth, reproduction, extracting energy from food – are the results of what happens inside cells.

Cells are often aggregated into tissues, tissues into organs, and organs into organ systems.

#### Reception

Living things (animals & plants) grow, move, need food, change etc.

#### Year 2

#### Year 4

#### Year 6

Micro-organisms are organisms that are so small that we cannot see them with our eyes alone.