

Keywords: Autumn 2

Science

Topic Title: Cell Biology

Introduction to the topic: Why are you learning it and how does it link to what you've learned before?

Cells make up all living things and will need to replicate and specialise for organisms to survive.

What lessons will you cover during the topic?

Stem Cells, Cell Cycle, Transport in Cells, Osmosis.

Keyword	Definition
Aerobic respiration	Respiration that requires oxygen.
Osmosis	The movement of water molecules across a selectively permeable membrane from a region of higher water concentration to a region of lower water concentration.
Specialised cell	A cell that has become differentiated to carry out a particular function.
Plasmolysed	Description of a plant cell in which the vacuole has shrunk and the membrane has pulled away from the wall due to water loss by osmosis.
Chromosome	The structure made of DNA that codes for all the characteristics of an organism.
Fertilisation	The joining of a male and female gamete.
Therapeutic cloning	Using cloning technology for medicinal purposes. One example is to use a person's DNA to clone one of their organs for use in transplanting.
Zygote	A fertilised egg cell.

