## Knowledge organiser for KS4 Biology Cells at Saint Ambrose College 2020+

## What is covered in this unit?

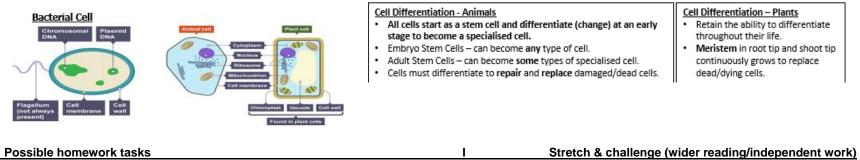
Cell structure; eukaryotes and prokaryotes; magnitude calculations; animal and plant cells; cell specialisation; cell differentiation; microscopy, differences in magnification and resolution; culturing microorganisms; chromosome; mitosis and cell cycle; stem cells

## Key vocabulary

Specialised Cells – cells that have adapted to perform a specific role/function

- Resolution The ability of a microscope to distinguish between two separate points
- Cell membrane Controls what enters and leaves the cell

## Key facts-



H/W: including project, Kerboodle, Kahoot, Exam Pro

Stretch: modelling tasks, Biological Science Review research, Oxford Uni