

Year 7: ASK Yourself!

Subject: Science

Unit 7.3: Cells – The building blocks of life

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
	I need to be able to use a light microscope to observe and draw cells.	I can partially explain how to use a microscope to identify and compare different types of cells.	I can confidently deduce general patterns about how the structure of different cells is related to their function. I can confidently find out how recreational drugs might affect different body systems.	I can expertly make deductions about how medical treatments work based on cells, tissues, organs and systems.
K knowledge				
	I need to know that there are many types of cell. Each has a different structure or feature so it can do a specific job.	I partially know that multicellular organisms are composed of cells which are organised into tissues, organs and systems to carry out life processes.	I confidently know that both plant and animal cells have a cell membrane, nucleus, cytoplasm and mitochondria. I confidently know that plant cells also have a cell wall, chloroplasts and usually a permanent vacuole.	I understand why multi-cellular organisms need organ systems to keep their cells alive. I understand and can apply how damage to, or failure of, an organ would affect other body systems.