



CANBERRA HIGH SCHOOL - Learning overview for Term 1

Subject: Science

During Term 1, Year 8 will be exploring Biological Sciences.

In Science, students develop proficiency in; understanding, human endeavour and inquiry skills.

Students build and consolidate skills in:

- Problem solving
- Planning and conducting scientific investigations
- Investigating and constructing lab reports
- Analysing and applying data
- Understanding the relationships between scientific research, society, environment and technological developments

Most Work will be available through the Google Classroom and is expected to be completed in this platform. If you have any queries about the work posted on google classroom please contact teachers via email.

Week	Topic	Content/Activity/Tasks
1	Introduction to cells	<ul style="list-style-type: none">• Levels of structural organisation• Unicellular vs multicellular• Prokaryote vs eukaryote
2	Animal and plant cells	<ul style="list-style-type: none">• Identification of organelles and their function• Plant vs animal cell structure
3	Cell size, microscopes	<ul style="list-style-type: none">• Size of cells• Practice using microscopes
4	Specialised cells	<ul style="list-style-type: none">• Specialised cells• Specialised cells research task
5	Stem cells	<ul style="list-style-type: none">• Stem cells• Stem cells research task
6	Body systems	<ul style="list-style-type: none">• From cells to organisms• Introduction to circulatory system• Heart structure and function• Blood vessels structure and function• Pluck demonstration and heart dissection
7	Circulatory system	<ul style="list-style-type: none">• Blood components• Blood diseases



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8	Investigating heart rate/respiratory system	<ul style="list-style-type: none">● Heart rate practical activity● Respiratory system
9	Digestive systems	<ul style="list-style-type: none">● Structure and function of human digestive system● Comparing digestive systems of different vertebrate organisms
10	Revision and test	<ul style="list-style-type: none">● Whole of term content