



CANBERRA HIGH SCHOOL - Learning overview for Term 1

Subject: Science

During Term 1, Year 7 will be exploring Chemical 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 - 2	Introduction to Science	<ul style="list-style-type: none">• Welcome to the Science laboratory• Safety, hazards, lab safety plan• Branches of Science, Science in our everyday lives
3	Measurement Procedures Scientific Equipment	<ul style="list-style-type: none">• Measurement, estimation, observations vs. inferences• Procedural writing, exact instructions challenge• Identifying scientific apparatus and describing their uses
4	Bunsen Burner	<ul style="list-style-type: none">• Introduction to the Bunsen burner• Match lighting practice, Bunsen burner lighting practice, boiling water using scientific apparatus
5	Variables	<ul style="list-style-type: none">• Introduction to variables: Independent, dependent & controlled• Bunsen burner practicals: The Effect of Salt/Volume/a Lid/Vessel Size on the Boiling Rate of Water
6	Mixtures	<ul style="list-style-type: none">• Pure (elements & compounds) vs. impure (mixtures) substances• Solutions (dilute, concentrated, saturated), suspensions, colloids• Separating techniques practical tasks: Sieving, magnetism, decanting, hand separation
7	Separating Techniques	<ul style="list-style-type: none">• Separating techniques practical tasks: Evaporation, filtration
8	Practical Assessment	<ul style="list-style-type: none">• "How Salty is the Ocean?" practical assessment
9	Revision	<ul style="list-style-type: none">• Revision & test
10	Additional Separating Techniques	<ul style="list-style-type: none">• Chromatography• Distillation demonstration