

Grade 6 Science Annual Learning Plan

Every unit, and every lesson inside it, for the whole school year. Nothing here is a summary; this is the list the material is built from.

10

UNITS

42

LESSONS

27

DOCUMENTS

285

PRINTED PAGES

What this course is

For a student who is ready for a diagram that carries the explanation rather than decorating it.

Grade 6 is the year the diagram becomes the answer. The pack teaches circuits and forces as drawings that can be read, because a student who can read a diagram can teach themselves the rest.

How it is arranged

Seven units, in the order they are meant to be taught. Every unit contains the same set of documents: Study Book, Workbook, Drill Book and a Unit Test. A unit is roughly a month of work at two classes a week, so the seven units are a school year.

It is written to be province-neutral. It follows what a Canadian student is expected to know in Grade 6 Science, without being tied to the wording of one province.

What is not in it

There are no answers printed anywhere in this course. A child who can see the answer stops working out the question, and the working is the point. Marking guides exist and they stay with the tutor.

The year, unit by unit

Seven units, 42 lessons. The lesson names below are the real headings inside the Study Books.

WHEN	UNIT	THE LESSONS INSIDE IT
Month 1	Scientific Methods	Turn a vague question into one that can be tested, Tell an observation apart from an inference, Measure accurately and choose the right unit and the..., Design a fair test, Record results in a table and show them on a graph, Write a conclusion that is supported by the evidence -..., Work safely and assess the risk before starting, Explain why scientific knowledge changes
Month 2	Biodiversity	Explain what biodiversity means at three levels -..., Sort living things into groups using distinguishing..., Say why variety inside one species is what keeps that..., Explain resilience: why a community with many kinds of..., Describe interrelationships - predator and prey, Explain how invasive species and climate change each..., Describe why biodiversity matters to agriculture, Assess the benefits of biodiversity and the...
Month 3	Electricity	Explain the difference between static electricity and..., Build a working circuit and explain why it only works..., Draw a circuit properly using standard symbols, Test materials and sort them into conductors and..., Describe how a series circuit and a parallel circuit..., Explain what an electrical device really does - it..., Describe how electricity is generated, Use electricity safely
Month 4	Flight	Give evidence that air is a real substance that takes..., Explain air resistance, Name and describe the four forces of flight and say..., Explain how the shape of a wing produces lift, Compare lighter-than-air flight with heavier-than-air..., Explain how thrust is produced by a propeller, Describe how living things and even seeds use the same..., Design a fair test
Month 5	Space	Explain day and night using the Earth's rotation, Explain the seasons using the Earth's tilt - not its..., Describe and order the phases of the Moon and explain..., Explain eclipses and tides, Describe the solar system and compare the inner and..., Explain what a star is, Explain how telescopes and space technology extend..., Assess the benefits and costs of space exploration
Month 6	Annual Review	Annual Review
Month 7	Term and Year-End Tests	Term and Year-End Tests

Tests, and what you can see

Assessment plan

WHAT	WHEN	COVERS
Unit test	End of each unit	The nine lessons of that unit, nothing from outside it.
Term 1	After Unit 3	Units 1 to 3 together.
Term 2	After Unit 6	Units 4 to 6, with Units 1 to 3 assumed.
Term 3	After Unit 9	Units 7 to 9, with everything before it assumed.
Final	End of Unit 10	The whole year, in one assessment.

How to use the year

Take one unit at a time and keep the order. Read the Study Book lesson first, because it teaches: one idea, a picture, a worked example, and the words to say. Then your child does the Workbook page that follows it. Keep the unit test for the end of the unit rather than partway through, so it measures the unit and not the lesson.

Print one unit at a time. Everything is built for ordinary letter paper, 8.5 by 11 inches.

What comes with the pack

- ✓ 27 printable documents, 285 pages
- ✓ A test at the end of every unit and a full assessment at the end of the year
- ✓ This plan, so you always know where you are
- ✓ Unit 1 free, before you decide anything

If the explaining is the hard part

VA Classes teaches Canadian students one to one, online, in Math, Science, English and Coding. The first class is free, and the tutor works from this same material. vaclasses.live