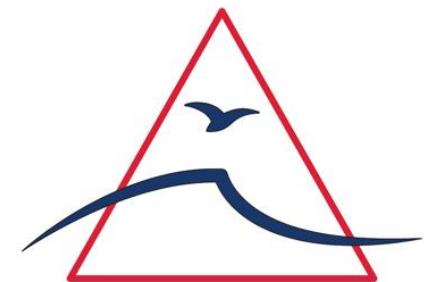


NOT ALL SCIENTISTS *wear* LAB COATS



SCIENCE KLA

YEAR 9 INTO 10 PRESENTATION



SUMMARY OF YEAR 10 SUBJECT OFFERINGS

Core Science

- Physics Chemistry
- Biology Environmental
- Chemistry Biology
- Environmental Physics

Elective

- Psychology

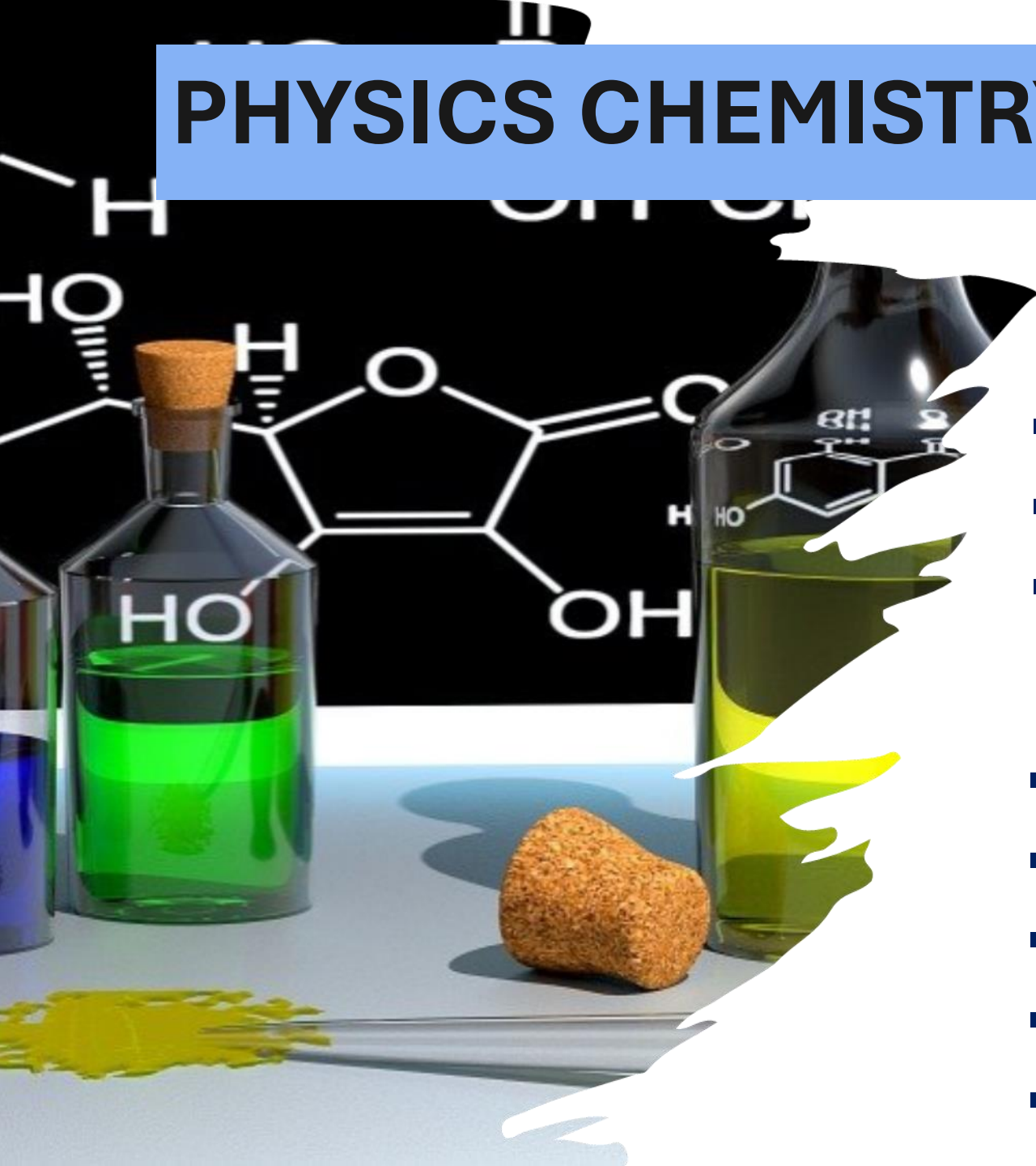
Important information

- You **must choose 1** core science, you can choose more.
- Psychology is an elective, you must also choose a core science.
- Students wanting to do VCE science are recommended to choose 2 (or more).
- Early access to VCE Biology, Environmental Science and Psychology is allowed. Interview required for access.

SUMMARY OF VCE SUBJECT OFFERINGS

- Biology
- Chemistry
- Environmental Science
- Physics
- Psychology

PHYSICS CHEMISTRY



WHAT WILL I LEARN?

- Motion
- Chemical Reactions
- Nuclear Chemistry

WHAT ACTIVITIES WILL I DO?

- Water rockets
- Motion of objects
- Marble run's
- Chemical Reactions
- Study radiation



PHYSICS CHEMISTRY

PATHWAYS THROUGH TO VCE/VET?

- VCE Chemistry
- VCE Physics



WHAT CAREERS DOES THIS LEAD TO?

- Engineer
- IT
- Research Scientist
- Pharmacy
- Medicine



BIOLOGY ENVIRONMENTAL



WHAT WILL I LEARN?

- How did humans evolve?
- Where did we come from?
- How has the earth changed over the last 4 billion years?
- Why do my brothers and sisters look alike?

WHAT ACTIVITIES WILL I DO?

- Water sampling
- Investigate wetland ecosystems
- Model DNA

BIOLOGY ENVIRONMENTAL



PATHWAYS THROUGH TO VCE/VET?

- VCE Biology
- VCE Environmental Science

WHAT CAREERS DOES THIS LEAD TO?

- Environmental Science
- Biologist
- Education
- Ranger
- Ecologist
- Wildlife officer

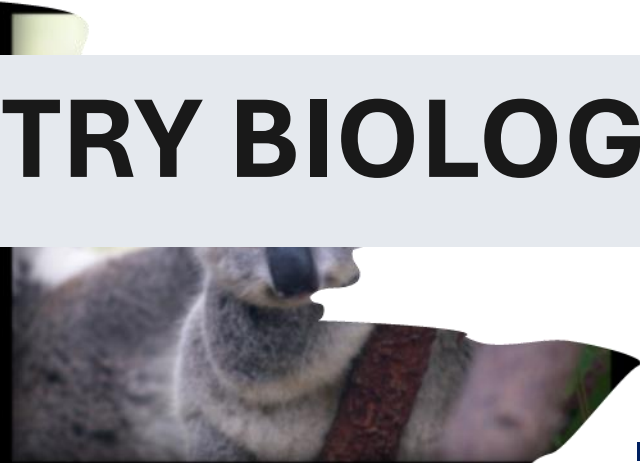
CHEMISTRY BIOLOGY

WHAT WILL I LEARN?

- What is life?
- What are the processes that keep us alive?
- Understand the processes that keep plants and animals alive.

WHAT ACTIVITIES WILL I DO?

- Test the best conditions for plant growth
- Make hydrogen and oxygen gas (and explode hydrogen after!)





CHEMISTRY BIOLOGY

PATHWAYS THROUGH TO VCE/VET?

- VCE Biology
- VCE Chemistry

WHAT CAREERS DOES THIS LEAD TO?

- Biologist
- Medicine
- Nursing / health
- Animal Studies / Vet
- Education

ENVIRONMENTAL PHYSICS



WHAT WILL I LEARN?

- What is the big bang theory?
- What happens when stars explode?
- How does the greenhouse effect change our oceans?

WHAT ACTIVITIES WILL I DO?

- Model ocean currents
- Investigate the universe
- Design your own investigation



ENVIRONMENTAL PHYSICS

PATHWAYS THROUGH TO VCE/VET?

- VCE Physics
- VCE Environmental Science

WHAT CAREERS DOES THIS LEAD TO?

- Astronomer
- Climatologist
- Engineer
- Education
- Research Science
- Geologist

PSYCHOLOGY

An illustration on the left side of the slide. At the top, a stylized brain is shown in shades of blue and white. Below it, a black silhouette of a person is climbing a light blue ladder. To the right of the ladder, a large white hand is shown pointing towards the person climbing. The background is a mix of dark and light blue tones.

WHAT WILL I LEARN?

- About the brain and nervous system
- How we think, feel and behave
- About hormones

WHAT ACTIVITIES WILL I DO?

- Make a brain model
- Investigate factors that affect feelings and behaviour
- Research psychological studies and ethics

An illustration on the left side of the slide shows a dark blue silhouette of a person standing on a light blue ladder. The person is reaching up towards a large, stylized brain in shades of blue and white. The background is a gradient of blue and white, suggesting a path or journey. The word 'PSYCHOLOGY' is written in large, bold, black letters on a light pink rectangular background at the top left.

PSYCHOLOGY

PATHWAYS THROUGH TO VCE/VET?

- VCE Psychology

WHAT CAREERS DOES THIS LEAD TO?

- Psychology
- Counsellor
- Health

EXPLORING CAREER PATHWAYS

Engineer

- Year 10
 - Physics Chemistry
 - Environmental Physics
- VCE
 - Physics
 - Chemistry

Physiotherapist

- Year 10
 - Chemistry Biology
 - Physics Chemistry
- VCE
 - Chemistry
 - Biology

Sports Science

- Year 10
 - Physics Chemistry
 - Chemistry Biology
- VCE
 - Chemistry
 - Biology
 - Physics

MORE INFORMATION

- If you plan to do a VCE Science, we recommend you choose ***at least two*** sciences at Year 10
- You will be able to choose any VCE Science, even if you haven't done that topic at Year 10 – your senior science teachers will support you!

Key Contacts FOR SUPPORT

1. Gary Ferteis (senior campus)
2. Megan Toler (senior campus)
3. Carolyn Hine (senior campus)
4. Your science teacher