Year 10 Enrichment Electives

In semester two, we are again offering four electives to high-ability Year 10 students across the state. Students can choose to study one or more of these electives with us. There are no prerequisites for these electives but students should have strong literacy and/or numeracy skills. Acceptance of enrolment requires principal endorsement and applications will be accepted on a first-come, first-served basis. Applications for semester two electives close on Monday 27 May.

Research Matters	Foundations of VCE Extended Investigation
Critical Thinking for Creative Minds	Foundations of VCE Extended Investigation
Introduction to Algorithmics	Foundations of VCE Algorithmics
LingoLab: Unveiling the Wonders of Real-world Language	Foundations of VCE English Language

We offer these four electives to students in Year 10 to prepare them for future study of VCE Algorithmics, VCE Extended Investigation, or VCE English Language. We aim to extend students who are interested in these foundations of successful university study through research, linguistics, critical thinking, and computational thinking.

The electives are one semester in length with flexible study options and they are not intended to replace electives that students may be taking at their base school in Year 10. Instead they provide enrichment and extension beyond the school curriculum. Students will be expected to complete 2 or 3 hours of hy-flex learning each week for the 15-week semester, including one designated online 60-minute live lesson each week.

CENTRE
FOR HIGHER
EDUCATION
STUDIES

Link to Registration

Research Matters

This subject gives students the opportunity to develop their knowledge and understanding of what it means to research and complete their own independent investigation into an area of their choice. Students will be taught how to navigate the wealth of information available to them, critically evaluating the resources, methods and ideas found, and applying these skills to their own research. Students will develop their own research question, test and evaluate research methods, collect primary evidence and present their findings in an exhibition and research journal.

Live lesson: Wednesdays, 4.30pm - 5.30pm.
Assessment
Students will be assessed on their research journal, completed throughout the semester and their presentation of research at the CHES Expo.
Pathways
This subject aligns with the Victorian Curriculum Critical and Creative Thinking standards. It will prepare students for Extended Investigation Units 3 & 4.

Critical Thinking for Creative Minds

This subject will allow students to develop their critical thinking skills in the context of contemporary issues on a local, national and global scale. Students will learn how to construct strong arguments, apply logic and reasoning to solve problems, and evaluate sources effectively. Students will participate in both informal and formal debates to engage in active listening, as well as presenting their own positions on topics. Reflecting on their own thinking (meta cognition) and how they can apply strategies to other learning areas will be explicitly taught throughout the course.

Students will learn how to ask the 'right' questions, understand and construct different types of arguments and apply strategies to solve problems.

Live lesson: Wednesdays, 4.30pm - 5.30pm.
Assessment
Students will be assessed on their responses to Critical Thinking questions and presentation of impromptu and prepared speeches.
Pathways
This subject aligns with the Victorian Curriculum Critical and Creative Thinking standards. It will prepare students for Extended Investigation Units 3 & 4.

Introduction to Algorithmics

This subject will allow students to develop their computational and analytical thinking skills, engage with solving problems using pseudocode (including an introduction to using Python for coding). Students will learn how to solve real world problems using computational methods and about different types of Abstract Data Types.

Students will create individual and group Algorithm Design Projects.

Live lesson: Thursdays, 4.30pm - 5.30pm.
Assessment
Students will be assessed on their responses to their individual and group projects.
Pathways
This subject aligns with the Victorian Curriculum Digital Technologies standards. It will prepare students for Algorithmics Units 3 & 4.

LingoLab: Unveiling the Wonders of Real-world Language

This subject is designed for students who want to know how language works in real life. Language communicates our emotions and ideas in everyday settings, not just in books and films. Therefore, our studies will focus on all things language related, from sounds to sentences, words to vocal effects, and everything in between. Using the English Language as a lens, students will also explore how language is used for creative endeavours and how its use online has promoted further linguistic change.

Live lesson: Day and time to be confirmed with students once enrolled.
Structure
Students will learn about the metalinguistic tools linguists use to analyse language, write analytically and apply language features to their own creative writing
Assessment
Students will be assessed on their analysis of language in a folio of textual annotations completed throughout the elective and discussion of language
Pathways
This subject aligns with the Victorian Curriculum English standards. It will prepare students for VCE English Language.

CENTRE
FOR HIGHER
EDUCATION
STUDIES