

Years 5&6

Critical and Creative Thinking:

- Consider the importance of giving reasons and evidence and how the strength of these can be evaluated (**VCCCTR025**)
- Explore what a criterion is, different kinds of criteria, and how to select appropriate criteria for the purposes of filtering information and ideas (**VCCCTR028**)
- Investigate how ideas and problems can be disaggregated into smaller elements or ideas, how criteria can be used to identify gaps in existing knowledge, and assess and test ideas and proposals (**VCCCTM031**)
- Investigate thinking processes using visual models and language strategies (**VCCCTM029**)

Design and Technologies:

- Investigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use (**VCDSTC037**)
- Critique needs or opportunities for designing, and investigate materials, components, tools, equipment and processes to achieve intended designed solutions (**VCDSCD038**)
- Generate, develop, communicate and document design ideas and processes for audiences using appropriate technical terms and graphical representation techniques (**VCDSCD039**)
- Apply safe procedures when using a variety of materials, components, tools, equipment and techniques to produce designed solutions (**VCDSCD040**)
- Negotiate criteria for success that include consideration of environmental and social sustainability to evaluate design ideas, processes and solutions (**VCDSCD041**)
- Develop project plans that include consideration of resources when making designed solutions (**VCDSCD042**)

English

- Use comprehension strategies to analyse information, integrating and linking ideas from a variety of print and digital sources (**VCELY319**)
- Plan, draft and publish imaginative, informative and persuasive print and multimodal texts, choosing text structures, language features, images and sound appropriate to purpose and audience (**VCELY329**)
- Clarify understanding of content as it unfolds in formal and informal situations, connecting ideas to students' own experiences, and present and justify a point of view or recount an experience using interaction skills (**VCELY337**)

Ethical Capabilities

- Discuss how ethical principles can be used as the basis for action, considering the influence of cultural norms, religion, world views and philosophical thought on these principles **(VCECU010)**

Mathematics

- Use efficient mental and written strategies and apply appropriate digital technologies to solve problems **(VCMNA185)**
- Choose appropriate units of measurement for length, area, volume, capacity and mass **(VCMMG195)**

Personal and Social Capabilities

- Reflect on how personal strengths have assisted in achieving success at home, at school or in the community **(VCPSCSE026)**
- Describe what it means to be confident, adaptable and persistent and why these attributes are important in dealing with new or challenging situations **(VCPSCSE027)**
- Explore and discuss behaviours that demonstrate sensitivity to individual, social and cultural differences **(VCPSCSO029)**
- Define and recognise examples of stereotypes, discrimination and prejudice and discuss how they impact on the individual **(VCPSCSO030)**
- Describe the characteristics of respectful relationships and suggest ways that respectful relationships can be achieved **(VCPSCSO031)**
- Identify the characteristics of an effective team and develop descriptions for particular roles including leadership, and describe both their own and their team's performance when undertaking various roles **(VCPSCSO032)**

Science

- With guidance, plan appropriate investigation types to answer questions or solve problems and use equipment, technologies and materials safely, identifying potential risks **(VCSIS083)**
- Decide which variables should be changed, measured and controlled in fair tests and accurately observe, measure and record data **(VCSIS084)**
- Compare data with predictions and use as evidence in developing explanations **(VCSIS086)**
- Suggest improvements to the methods used to investigate a question or solve a problem **(VCSIS087)**

Years 7&8

Critical and Creative Thinking:

- Consider a range of strategies to represent ideas and explain and justify thinking processes to others **(VCCCTM040)**
- Examine a range of learning strategies and how to select strategies that best meet the requirements of a task **(VCCCTM041)**
- Consider how problems can be segmented into discrete stages, new knowledge synthesised during problem-solving and criteria used to assess emerging ideas and proposals **(VCCCTM042)**

Design and Technologies:

- Examine and prioritise competing factors including social, ethical, economic and sustainability considerations in the development of technologies and designed solutions to meet community needs for preferred futures **(VCDSTS043)**
- Investigate the ways in which designed solutions evolve locally, nationally, regionally and globally through the creativity, innovation and enterprise of individuals and groups **(VCDSTS044)**
- Analyse ways to create designed solutions through selecting and combining characteristics and properties of materials, systems, components, tools and equipment **(VCDSTC048)**
- Critique needs or opportunities for designing and investigate, analyse and select from a range of materials, components, tools, equipment and processes to develop design ideas **(VCDSCD049)**
- Generate, develop and test design ideas, plans and processes using appropriate technical terms and technologies including graphical representation techniques **(VCDSCD050)**
- Independently develop criteria for success to evaluate design ideas, processes and solutions and their sustainability **(VCDSCD052)**

English

- Use comprehension strategies to interpret, analyse and synthesise ideas and information, critiquing ideas and issues from a variety of textual sources **(VCELY378)**
- Plan, draft and publish imaginative, informative and persuasive texts, selecting aspects of subject matter and particular language, visual, and audio features to convey information and ideas to a specific audience **(VCELY387)**
- Plan, rehearse and deliver presentations, selecting and sequencing appropriate content and multimodal elements to promote a point of view or enable a new way of seeing, using body language, voice qualities and other elements to add interest and meaning **(VCELY396)**

Mathematics

- Apply the associative, commutative and distributive laws to aid mental and written computation and make estimates for these computations **(VCMNA240)**

Personal and Social Capabilities

- Assess personal strengths using feedback from peers, teachers and others and prioritise areas for improvement **(VCPSCSE035)**
- Discuss the range of strategies that could be used to cope with difficult tasks or changing situations **(VCPSCSE036)**
- Perform in a variety of team roles and accept responsibility as a team member and team leader, assessing how well they support other members of the team **(VCPSCSO041)**
- Identify ways to be proactive in initiating strategies to prevent and/or accomplish positive resolutions to conflict **(VCPSCSO042)**

Science

- Science and technology contribute to finding solutions to a range of contemporary issues; these solutions may impact on other areas of society and involve ethical considerations **(VCSSU090)**
- Science and technology contribute to finding solutions to a range of contemporary issues; these solutions may impact on other areas of society and involve ethical considerations **(VCSSU090)**
- Communicate ideas, findings and solutions to problems including identifying impacts and limitations of conclusions and using appropriate scientific language and representations **(VCSIS113)**