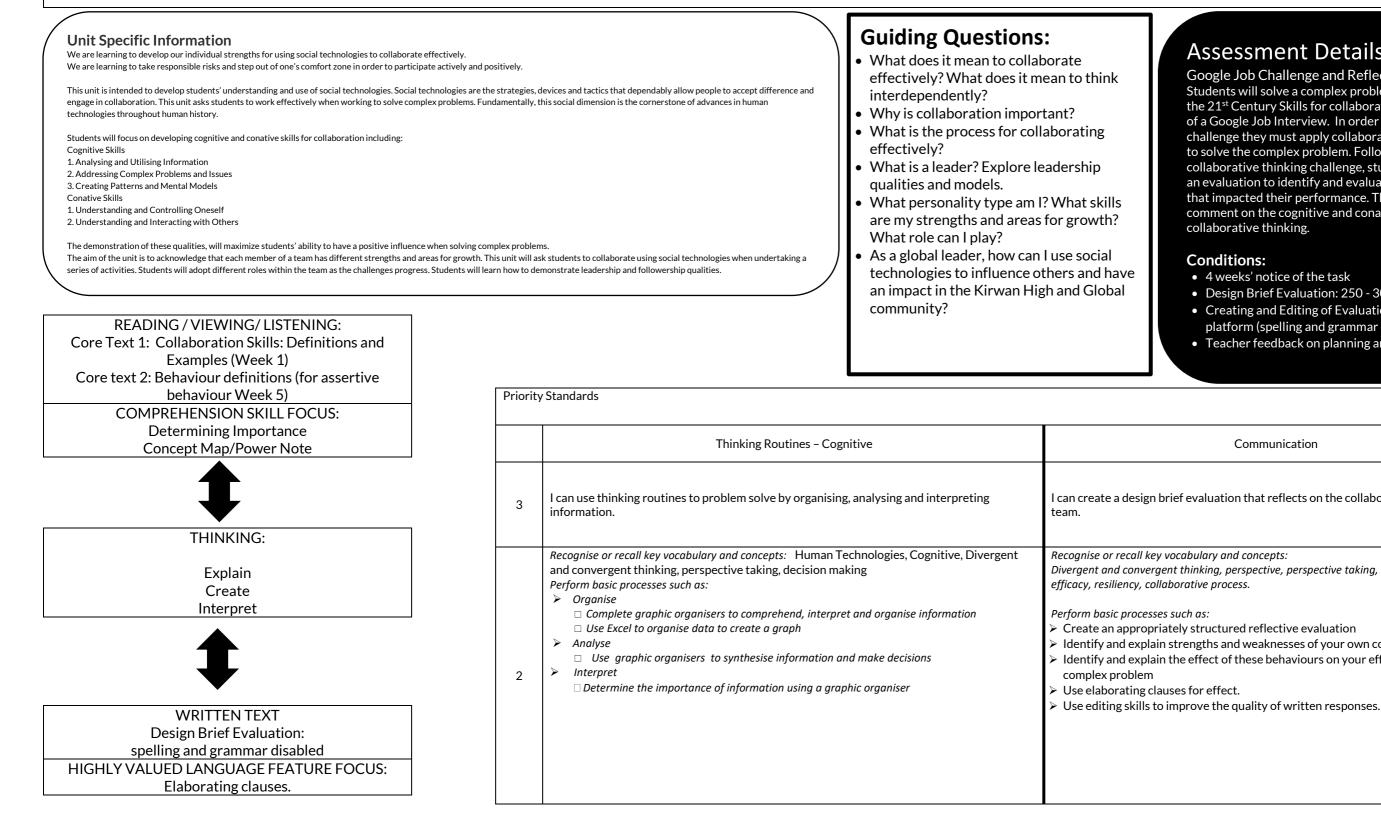
## YEAR 7 Human Technologies: Unit 2 - Technologies for Collaborative Thinking

## **Achievement Standard:**

In Year 7, students are introduced to the notion of human technologies as all aspects of their lives. Students become aware of technologies as material, physical, social, cognitive tools used to develop self - identity and foster personal growth in independent and collaborative endeavours. The concept of a growth mindset is the vehicle for helping students develop personal goals and to see thinking as a learnt technology that helps them to thrive. Students are explicitly taught collaborative behaviours linked to 21st Century Skills. They learn the processes and skills required to approach challenges with others in effective and productive ways by maximising personal and group strengths. They are tasked to think critically by generating and defending claims when exploring community and global issues. During the first year of the course, students are challenged to view themselves as collaborative and self-aware Global Citizens who are well equipped to force positive change.



## Assessment Details:

Google Job Challenge and Reflective Evaluation Students will solve a complex problem to demonstrate the 21<sup>st</sup> Century Skills for collaborative thinking as part of a Google Job Interview. In order to complete the challenge they must apply collaborative thinking skills to solve the complex problem. Following the collaborative thinking challenge, students will complete an evaluation to identify and evaluate the causal factors that impacted their performance. The evaluation must comment on the cognitive and conative skills of collaborative thinking.

## Conditions:

- 4 weeks' notice of the task
- Design Brief Evaluation: 250 300 words
- Creating and Editing of Evaluation is on a digital platform (spelling and grammar disabled)
- Teacher feedback on planning and drafting

Communication

I can create a design brief evaluation that reflects on the collaborative skills of your

Divergent and convergent thinking, perspective, perspective taking, cognitive, conative, self-

> Create an appropriately structured reflective evaluation

Identify and explain strengths and weaknesses of your own collaborative thinking Identify and explain the effect of these behaviours on your effectiveness to solve a

Learning Goals:						
Segment and Key Questions	Strand and Sub-Strands	Kirwan High Goals – Students will know and/or be able to:				
What does it mean to collaborate effectively? What does it mean to think interdependently?	Knowledge: Historical, current and future technologies. Collaboration: All sub- strands Understanding and controlling oneself, perspective taking, responsible interaction and controversy and conflict resolution	<ul> <li>Understand the 21<sup>st</sup> Century Skills for Collaboration.</li> <li>Recognise the importance of thinking interdepe</li> </ul>	<ul> <li>Recognise and reflect on perceptions of self.</li> <li>Identify behaviours that enhance or prevent collaboration.</li> <li>Read examples of and identify effective the characteristics of effective collaborators.</li> <li>Use conflict resolution processes and problem solving protocols to collaborate.</li> </ul>			
Why is collaboration important?	Knowledge: The development of human intelligence Knowledge: Historical, current and future technologies. Collaboration: All sub- strands Understanding and controlling oneself, perspective taking, responsible interaction and controversy and conflict resolution	Understand the importance of collaboration.	<ul> <li>Identify and analyse examples of collaboration.</li> <li>Critique non-examples of collaboration.</li> </ul>			
What is the process for collaborating effectively?	<b>Collaboration</b> : All sub- strands Understanding and controlling oneself, perspective taking, responsible interaction and controversy and conflict resolution <b>Communication</b> : Verbal communication, written communication Thinking Routines: Creative Thinking, Critical Thinking	<ul> <li>Understand that collaboration is a process where multiple people work together to achieve a common goal.</li> <li>Understand that effective collaboration which is dependent on the strength of each individual and how the contribute to teams.</li> </ul>	<ul> <li>Create team norms and commit to working towards a common goal.</li> <li>Apply thinking routines to define and decompose real-world problems taking into account functional requirements and economic, environmental, social, technical and usability constraints. (ACTDIP027))</li> <li>Deal with challenge situations in collaborative teams.</li> </ul>			

What is a leader?	Thinking Routines: Cognitive Strategies Knowledge: The development of human intelligence Knowledge: Historical, current and future technologies Collaboration: All sub- strands Understanding and controlling oneself, perspective taking, responsible interaction and controversy and conflict resolution Thinking Routines: Comprehension	<ul> <li>Understand that each individual is a leader.</li> <li>Understand that great leaders employ specific skills to enhance their capacity to lead and collaborate with others.</li> <li>Understand the role of a group leader in collaborative situations.</li> </ul>	<ul> <li>Demonstrate effective communication skills.</li> <li>Solve problems by using decision making processes to evaluate alternatives in light of criteria.</li> <li>Evaluate how student solutions and existing information systems meet needs, are innovative, and take account of future risks and sustainability</li> <li>Plan and manage projects that create and communicate ideas and information collaboratively</li> <li>Apply leadership skills in collaborative situations.</li> <li>Explore leadership qualities. [Engage in personal reflection and the application of leadership qualities].</li> </ul>
What personality type am I? What skills are my strengths and areas for growth? What role can I play?	<b>Collaboration:</b> Understanding and controlling oneself.	<ul> <li>Understand that interacting with others is complex.</li> <li>Be aware that there are explicit strategies that can be employed to ensure interactions are positive and productive.</li> </ul>	<ul> <li>Recognise the power of perspective.</li> <li>Use processes that enhance perspective taking.</li> <li>Apply and reflect on their own individual ability to see issues from multiple perspectives.</li> </ul>
As a global leader, how can I use social technologies to influence others and have an impact in the	<b>Collaboration:</b> All sub- strands	• Understand how individual perspectives, values and ideas can have great influence.	• Apply creative thinking routines to solve real world problems in abstract ways.

Kirwan High and Global community?	Understanding and controlling oneself, perspective taking, responsible interaction and controversy and conflict resolution <b>Communication</b> : All sub- strands Verbal communication, written communication and intercultural communication				
		OM: Thinking Interdependent			
<ul> <li>Exploring Meaning of the HOM</li> <li>By the end of this unit students will be able to:</li> <li>Draw upon examples of thinking interdependently in order to develop their awareness of the meaning.</li> </ul>	Expanding Capacity for using the HOM By the end of this unit students will be able to:	Increasing Alertness for the HOM By the end of this unit students will be able to:	By the end will be abl • Clearl ability interd the qu produ positio Centu	y Values of the HOM d of this unit students e to: y connect their t to think ependently to both hality of work ced and their on on the 21 <sup>st</sup> ry Skills for poration Rubric.	<ul> <li>Building Commitment towards the HOM</li> <li>By the end of this unit students will be able to:</li> <li>Evaluate their use of this Habit of Mind using a rubric to reflect on how well they employed the 21<sup>st</sup> Century skills for collaboration.</li> </ul>
General Capabilities: This unit	t provides opportunities for students to	o engage in following capabiliti	es:		
Literacy         ✓       Comprehending texts through s         ✓       Composing texts through s         ✓       Text knowledge         ✓       Grammar knowledge         ✓       Word knowledge         ✓       Visual knowledge          Estimating and calculating          Recognising and using patt	ugh listening, reading and viewing speaking, writing and creating	Applying social and ethical p and practices when using IC Investigating with ICT Creating with ICT Communicating with ICT Managing and operating ICT <b>ritical and creative thinking</b> Inquiring - identifying, explo organising information and i Generating ideas, possibilitie actions Reflecting on thinking and pr	rotocols T - ring and deas es and rocesses	<ul> <li>✓ Reasoning in</li> <li>✓ Exploring val</li> <li>Intercultural unders</li> <li>□ Recognising cult</li> </ul>	t ness gement <b>ng</b> thical concepts and issues decision making and actions ues, rights and responsibilities <b>tanding</b> ure and developing respect ercultural experiences and

Cross Curriculum Priorities:	
it Islander histories and cultures	Asia and Australia's engagement with Sustainability
	Asia
Differentiation [for small groups or individuals]:	