Loreto College Coorparoo
Semester 2 2021

YEAR 8 Technology: Digital & Design

Student		Teacher	Mr Joyce (8B) & Mr Morgan (8A)
Issued	6/9/2021	Due Date	**12/11/21 8A P2 / 8B P3**
Unit	Scratch & Grok Coding		

Conditions		
Technique	Coding tasks using Scratch + GroK Learning Platform	
Duration	8 Weeks	
Mode	Project Based Learning	Length
Individual/ group	Individual	Other
Resources available	Dig Tech Portal, Scratch desktop app, Grok Learning web site	

Assessment Dimensions	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E+	E	E-
1. Knowledge & Understanding															
2. Processes & Production Skills															

Authentication strategies
The teacher will provide class time for task completion.
The teacher will consult with each student as they develop their responses.
Student progress will be monitored and copies of student digital responses collected at checkpoints.

CRITERIA SHEET

		A	B	C	D	E
		The folio of a student's work has the following characteristics:				
Scratch	**K & U**	**comprehensive** distinction between different types of Scratch code Blocks and their defined purposes	**detailed** distinction between different types of Scratch code Blocks and their defined purposes	distinction between different types of Scratch code Blocks and their defined purposes	**identification of** different types of Scratch code Blocks	**statements about** Scratch code Blocks
	P & PS	**systematic** testing, modification and **proficient** implementation of Scratch projects	**reliable** testing, modification and **effective** implementation of Scratch projects	testing, modification and implementation of Scratch projects	**partial** testing **or** modification and **partial** implementation of Scratch projects	**fragmented** testing **or** modification **or** implementation of Scratch projects
Grok	**K & U**	**comprehensive** explanation of how text, image and audio data can be represented, secured and presented in web pages.	**detailed** explanation of how text, image and audio data can be represented, secured and presented in web pages.	explanation of how text, image and audio data can be represented, secured and presented in web pages.	**description** of how text, image and audio data can be represented, secured and presented in web pages.	**statements about** how text, image and audio data can be represented, secured and presented in web pages.
	P & PS	**systematic** testing, modification and **proficient** implementation of solutions to Grok Learning Challenges.	**reliable** testing, modification and **effective** implementation of solutions to Grok Learning Challenges.	testing, modification and implementation of solutions to Grok Learning Challenges.	**partial** testing **or** modification and **partial** implementation of solutions to Grok Learning Challenges.	**fragmented** testing **or** modification **or** implementation of solutions to Grok Learning Challenges.
Cummulative Grades	**K & U**					
	P & PS					

Context

You will complete a range of Coding activities using Scratch Desktop App and the Grok Learning platform. You will solve problems by writing, testing and refining code.

Task

You are to complete:
- Scratch Shapes Task *(Formative)*
- Scratch Animated Name *(Formative)*
- Scratch Pong Game *(Formative)*
- Scratch Maze Game *(Summative)*
- Scratch Virtual Pet *(Summative)*
- Scratch Impact Game *(Summative)*
- Scratch Reflection *(Summative)*
- Grok Web Design Competition *(Summative)*
- Extension Task - Christmas Web Page (HTML & CSS) *(Formative)*

CHECKPOINTS

☐ Week 1 of Term 4 — progress check (Scratch – Shapes, Animated Name, Pong Game)

☐ Week 3 of Term 4 — progress check (Scratch – Maze, Virtual Pet, Impact Game, Reflection)

☐ Week 5 of Term 4 — progress check (Modules 1 to 4 of Grok Learning Challenges)

To complete this task, you must:

Use the resources available to you on the Technologies Portal. These can be found at:

http://dt.loreto.qld.edu.au/8_II/microbit/introduction.html

ETHICAL SCHOLARSHIP DECLARATION – Scratch & Grok Web Coding Unit

I, _____, confirm and acknowledge that the work produced in this assessment, including all code, is my own. Any words/phrases that I have used from other sources have been referenced and acknowledged.

Signed: _____   Date: _____