

Kurri Kurri High School

Year 7 STEM Assessment Schedule 2023

Course: STEM

Head Teacher: T.Sams

	Task 1	Task 2	Task 3	Task 4
Due Date/ Date of Task	Week 10 Term 1- Part A Week 3 Term 2- Part B	Week 7 Term 2- Part A Week 10 Term 2- Part B Week 4 Term 3- Part C	Week 5 Term 3	Week 1 Term 4 Part A Week 6 Term 4 Part B
Topic	Project 1	Project 2	Project 2	Project 3
Name of Task	KKHS Garden	Science Report	The Algebra of body systems	Theme Park Design
Brief Description	Students will be given a budget in order to design a sustainable garden bed. They will need to calculate the area, perimeter and volume of soil for the garden and justify the need and cost from a range of viewpoints.	Students create modelled theories to plan (part A) and conduct (part B) a plant growth experiment of their choosing. They will analyse the data they recorded, producing a graph and discussion to communicate their results demonstrating a range of strategies (part C).	Students will use algebraic equations to explain data recorded from the human body such as heart rate, cardiac output and reaction time.	Students will design a theme park and justify their choices by calculating force and angles of rides to ensure the safety of the riders. Students will utilise their understanding of states of matter, fractions and decimals to plan and make appropriate food choices for their park.
Components	An annotated plan showing working calculations and justifications submitted via CANVAS.	Scientific report	Database and calculations submitted through CANVAS.	An E-Portfolio of work which contains all the documentation and reasoning behind their decisions, hands on working scientifically to demonstrate processes.
Syllabus Outcomes Assessed	MA4-12MG, MA4-13MG, MA4-14MG, MA4-2WM, SC4-7WS, SC4-8WS, SC4-9WS, SC4-12ES, SC4-13ES,	SC4-4WS, SC4-5WS, SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS, MA4-19SP, SC4-LW14, MA4-4NA	MA4-8NA, SC4-15LW	MA4-5NA, MA4-18MG, MA4-16MG, SC4-16CW, SC4-10PW

Weighting	25%	25%	25%	25%
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