

Fall 2023/24 Grade 4 Future Skills Syllabus (Term 1)

Orbiter Landing Device		
Week	Stage	Syllabus Content
1	Ask	Project introduction – context and problem to be solved.
2	Imagine	Research. Inquiry - Gravity
3	Imagine	Research. Inquiry - Air Resistance
4	Plan and Design	Study the various options laid out during the imagine stage to design a safe cabin and shock absorbing base. Select structure design. Study available materials and brainstorm.
5	Plan and Design	Finalize the lander design with fully labeled sketches.
6	Create	Put the lander together, reflect on progress and make necessary adjustments.
7	Create	Put the lander together, reflect on progress and make necessary adjustments.
8	Test	Test the lander and observe if it meets the test conditions as outlined. Make observations.
9	Communicate Results	Analyze test results and make conclusions. Reflect on areas for improvement in the design.
10	Redesign/Retest	Make changes to your design and retest it. Analyze results

Fall 2023/24 Grade 4 Future Skills Syllabus (Term 2)

Creating a Greener Cleaner		
Week	Stage	Syllabus content
11	Ask	Project introduction – context and problem to be solved
12	Imagine	Research Inquiry - Pollution and living organisms
13	Imagine	Research Inquiry - Household cleaners
14	Plan	Introduce recipe ingredients Gather data on the available recipe ingredients Brainstorm solutions
15	Plan	Finalize first greener cleaner recipe based on data and observations
16	Create	Create the first greener cleaner recipe, reflect on progress and make necessary adjustments.
17	Test	Test the first recipe on various surfaces. Record results and observations. Assess and analyze.
18	Create	Create an improved greener cleaner recipe, reflect on progress and make necessary adjustments.
19	Test	Test improved recipe on various surfaces Record results and observations. Assess and analyze.
20	Communicate	Record and share – present the findings to your class as recorded in the future skills process report.