

Fall 2023/24 Grade 6 Future Skills Syllabus (Term 1)

Water Rocket		
Week	Stage	Syllabus Content
1	Ask	Project introduction – Context and problem to be solved
2	Imagine	Research. Inquiry - Center of mass
3	Imagine	Research. Inquiry - Center of gravity and drag
4	Plan	Research on aerodynamic forces and parts of a rocket Study material and brainstorm.
5	Plan	Research on aerodynamic forces and parts of a rocket Finalize design with fully labeled sketches.
6	Create	Make, reflect on progress and make necessary adjustments.
7	Create	Make, reflect on progress and make necessary adjustments.
8	Test	Observe, assess, analyze.
9	Test	Observe, assess, analyze.
10	Communicate	Record and share – Present the findings to your class as recorded in the Future Skills process report.

Fall 2023/24 Grade 6 Future Skills Syllabus (Term 2)

Harnessing Wind Power		
Week	Stage	Syllabus Content
1	Ask	Project introduction – context and problem to be solved
2	Imagine	Research wind turbine blade design. Introduce available materials and design constraints.
3	Plan	Study available materials and brainstorm design ideas. Complete a rough sketch.
4	Design	Complete a detailed final design.
5	Create	Build the wind turbine using chosen materials and design specifications.
6	Create	Build the wind turbine using chosen materials and design specifications.
7	Test	Test the wind turbine and assess results based on the specifications.
8	Create	Redesign and rebuild the wind turbine using chosen materials and design specifications.
9	Create	Test the wind turbine and assess results based on the specifications.
10	Communicate	Test the wind turbine and assess results based on the specified task Present findings in a comprehensive report