

Fall 2023/24 Grade 5 Future Skills Syllabus (Term 1)

Bridging the Gap		
Week	Stage	Syllabus Content
1	Ask	Project introduction – context and problem to be solved
2	Imagine	Inquiry - bridge design
3	Imagine	Tension, compression, and forces in bridges. Research bridge types and advantages/disadvantages of each type.
4	Plan	Study materials and brainstorm design ideas. Begin final design.
5	Plan	Finalize design with fully labeled sketches and detailed material lists.
6	Create	Build, reflect on progress and make necessary adjustments.
7	Create	Build, reflect on progress and make necessary adjustments.
8	Create	Build, reflect on progress and make necessary adjustments.
9	Test	Make predictions. 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 5 Future Skills Syllabus (Term 2)

Water Filtration System		
Week	Stage	Syllabus content
11	Ask	Project introduction – context and problem to be solved.
12	Imagine	Discussion/videos on pollutants in drinking water. Where does drinking water come from? Research effective filtration materials.
13	Imagine	Discussion/videos on pollutants in drinking water. Where does drinking water come from? Research effective filtration materials.
14	Plan and Design	Make observations of “polluted” water. Analyze available filter materials. Make predictions and test individual filter materials. Analyze results.
15	Plan and Design	Draw a detailed design of the filter system.
16	Create	Create the filter system and test. Analyze results.
17	Redesign	Redesign the filter system according to test results. Draw a detailed design of an updated filter system.
18	Create	Create the updated filter system.
19	Test	Test the updated filter system. Analyze results.
20	Communicate	Record and share – Present the findings to the class as recorded in the Future Skills process report.