

Curriculum Newsletter for grade 6 Science and Technology (Term 2)

If you have any questions, please do not hesitate to contact me at lmccallum1@ugcloud.ca

SCIENCE		
<u>Curriculum Units</u>	<u>Teaching Strategies</u>	<u>Assessments</u>
<p style="text-align: center;"><u>Flight (Feb. - April)</u></p> <ul style="list-style-type: none"> Assess the societal and environmental impacts of flying devices that make use of properties of air Investigate ways in which flying devices make use of properties of air Explain ways in which properties of air can be applied to the principles of flight and flying devices <p><u>LEARNING FOCUS:</u></p> <ul style="list-style-type: none"> Properties of air and how they're used for flight and other purposes How characteristics of structures utilize properties of air to create flight. 	<p><u>ALL UNITS:</u></p> <ul style="list-style-type: none"> whole class lessons to access prior knowledge and build initial understanding small group discussions to build deeper understanding, review content textbook readings with comprehension questions note-taking definition pages visuals: short Youtube clips, images <p><u>FLIGHT UNIT activities/labs/projects:</u></p> <ul style="list-style-type: none"> quick hands-on activities to learn about flight forces (gravity, lift, thrust, drag) design and build flight devices <p><u>BIODIVERSITY UNIT activities/labs/projects:</u></p> <ul style="list-style-type: none"> in-situ field studies of local ecosystems (pollinator garden, native tree planting, invasive species sites) on-line adaptation assignments food web diagram assignments 	<ul style="list-style-type: none"> observations of student participation in laboratories full lab write-ups, including all sections (hypothesis, materials, procedure, observations/data analysis, discussion questions, conclusions); assessed with rubrics partial lab write-ups, focusing on discussions and conclusions; assessed with checklists graphing activities related to data collection in labs quizzes and tests individual conferences <p><u>Marks determined by:</u></p> <ul style="list-style-type: none"> -projects/assignments (building activities, ecosystem studies): 40% -labs (full/partial writeups): 30% -tests/quizzes: 20% -other: 10%
<p style="text-align: center;"><u>Biodiversity (April - June)</u></p> <ul style="list-style-type: none"> Assess human impacts on biodiversity, and identify ways of preserving biodiversity Investigate the characteristics of living things, and classify diverse organisms according to specific characteristics Demonstrate an understanding of biodiversity, its contributions to the stability of natural systems, and its benefits to humans <p><u>LEARNING FOCUS:</u></p> <ul style="list-style-type: none"> Biodiverse areas and how the interactions within those systems impact each area sustainability and human impact on biodiversity in different areas. 		

