

## Weekly Calendar for grades 1-5

	Day 1	Day 2	Day 3	Day 4
Subject / Class period				
<b>Main Topic</b>	<b>Introducing the plastic problem</b>	<b>Beach Clean</b>	<b>Art &amp; Sustainability</b>	<b>ADST day!</b>
<b>Agenda</b>	<ul style="list-style-type: none"> <li>How plastic affects the marine environment</li> <li>How plastic affects the food chain and ecosystem</li> <li>How plastic affects humans</li> <li>Our personal responsibility</li> </ul>	<ul style="list-style-type: none"> <li>Oceanic forces and debris dissemination</li> <li>Beach clean leadership</li> </ul>	<ul style="list-style-type: none"> <li>Create an art project.</li> <li>Leadership development</li> </ul>	<ul style="list-style-type: none"> <li>Creating an Ocean Friendly Solution</li> <li>Make your school more sustainable</li> </ul>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>Students will begin to understand the impact of plastics in our marine environments.</li> <li>They will gain a scientific knowledge of how it affects our local eco-systems.</li> </ul>	<ul style="list-style-type: none"> <li>Place Based learning.</li> <li>Creating a meaningful connection to land to instill a sense to protect and enjoy.</li> </ul>	<ul style="list-style-type: none"> <li>Repurposing / upcycling materials</li> <li>Art and storytelling</li> </ul>	<ul style="list-style-type: none"> <li>Use the applied design skills to begin to make change and start thinking of solutions to real world problems.</li> </ul>
<b>Homework</b>	Think about what you have learned about marine plastic pollution, its effect on marine animals, and how it gets into the food chain. How does this make you feel?	<p>For this assignment you will first research the “largest plastic polluters”. You will write a top 10 list of the plastic items that end up in our oceans and landfills the most. The purpose of this will be to share your information with local business’s with the intent to write them a letter asking them to help make change with an idea that you supply them with.</p> <p>+ make a plastic polluters poster to share in the school!</p>	Finish up your art projects	Spend some time finishing project

<p><b>Curriculum Connections</b></p>	<p><b>Science 2:</b> Water Sources</p> <p><b>Science 3:</b> Local eco-systems</p> <p><b>Science 4:</b> Biomes</p> <p><b>Science 5:</b> Nature of sustainable practices'</p> <p><b>Social Studies 5:</b> Resources and economic development in different regions of Canada.</p> <p>Make ethical judgements about events, decisions, or actions that consider the conditions of a particular time and place, and assess appropriate ways to respond.</p>	<p><b>Core Competency:</b> Social Responsibility</p> <p><b>Science 1:</b> Local First People's knowledge of the local landscape plants &amp; animals.</p> <p><b>Science 2:</b> Water Sources</p> <p><b>Science 3:</b> Local eco-systems</p> <p><b>Science 4:</b> Biomes</p> <p><b>Science 5:</b> Nature of sustainable practices'</p>	<p><b>Arts 1:</b> People connect to others and share ideas through the arts</p> <p><b>Arts 2:</b> Creative expression develops our unique identity and voice.</p> <p><b>Arts 3:</b> Personal and collective responsibility associated with creating, experiencing or sharing in a safe learning environment.</p> <p><b>Arts 4:</b> Creative expression is a means to explore and share one's identity within a community.</p> <p><b>Arts 5:</b> Engaging in creative expression and experiences expands people's sense of identity and belonging.</p>	<p><b>ADST 3-5:</b>          Understanding Context          Defining          Ideating          Prototyping          Testing          Making          Sharing</p>
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## Weekly Calendar for Grades 6-10

	Day 1	Day 2	Day 3	Day 4
Subject / Class period				
Main Topic	<b>Introducing the plastic problem</b>	<b>Beach Clean</b>	<b>Create a Campaign</b>	<b>Create a Commercial / Social Media Post</b>
Agenda	<ul style="list-style-type: none"> <li>• how plastic affects the marine environment</li> <li>• how plastic affects the food chain and eco system</li> <li>• how it affects humans</li> <li>• our personal responsibility</li> </ul>	<ul style="list-style-type: none"> <li>• Oceanic forces and debris dissemination</li> <li>• Beach clean leadership</li> </ul>	<ul style="list-style-type: none"> <li>• Creating a campaign</li> <li>• Dragon's Den presentation</li> </ul>	<ul style="list-style-type: none"> <li>• The role of advertising / marketing in campaigning</li> <li>• Create a 30-1 min. video</li> <li>• Create a poster</li> <li>• Create a picture with caption</li> </ul>
Objectives	<ul style="list-style-type: none"> <li>• Students will begin to understand the impact of plastics in our marine environments.</li> <li>• They will gain a scientific knowledge of how it affects our local eco-systems.</li> </ul>	<ul style="list-style-type: none"> <li>• Place Based learning.</li> <li>• Creating a meaningful connection to land to instill a sense to protect and enjoy.</li> </ul>	<ul style="list-style-type: none"> <li>• Entrepreneurship and marketing</li> </ul>	<ul style="list-style-type: none"> <li>• Use media arts techniques to create a logo, presentation, and flyers for their campaign</li> </ul>
Homework	<p>Think about what you have learned about marine plastic pollution, its effect on marine animals, and how it gets into the food chain. How does this make you feel? Come up with a campaign idea (you can use Surfrider's for inspiration) to tackle one of the issues you feel most passionate about.</p> <p><i>(Make it Specific, Measurable, Attainable, Relevant, and Time-bound)</i></p>	<p>*Make sure to take pictures / videos at the beach clean</p>		

<p><b>Curriculum Connections</b></p>	<p><b>Science</b></p> <p><b>Science 7:</b> Change in climate affects: the interconnectedness of plants and animals and their environment.</p> <p><b>Science 8:</b> The relationship of micro-organisms with living things.</p> <p>Microorganisms are key to nutrient recycling in eco-systems as they act as.</p> <p><b>Science 9:</b></p> <p>Matter cycles within biotic and abiotic components of ecosystems.</p> <p>Human impacts on sources and sinks (e.g., climate change, deforestation, agriculture, etc.)</p> <p>Bioaccumulation and biomagnification. Sustainability of systems</p> <p>A systems approach to sustainability sees all matter and energy as interconnected and existing in dynamic equilibrium.</p> <p><b>Enviro Science 11:</b> Human practices affect the sustainability ecosystems.</p> <p>Humans can play a role in the stewardship and restoration of ecosystems.</p> <p><b>Enviro Science 12:</b> Human actions affect the quality of water and its ability to sustain life.</p>	<p><b>Core Competencies</b></p> <p>Social Responsibility</p>	<p><b>Entrepreneurship and Marketing</b></p> <p>Characteristics of entrepreneurial activity. Goal, personal commitment, planning and preparation, commitment of resources. Etc.</p> <p>Recognition of a need and identification of target market.</p> <p>Forms of advertising and marketing that can influence a potential customer or buyer. Print, social media, we, digital</p> <p>Differences between consumer wants (what one would like to have, what one can do without) and needs.</p>	<p><b>Media Arts</b></p> <p>Digital and non-digital media technologies, their distinguishing characteristics, and their uses, including layout and design, graphics and images, and video production techniques for using images, sounds, and text to represent characterizations and points of view of people, including themselves, as well as settings and ideas.</p> <p>For example, video production, layout and design, graphics and images, photography, emerging media processes (performance art, collaborative work, sound art, kinetic art, robotic art etc.)</p> <p>Media technologies and techniques to shape space, time, movement, and lighting within images, sounds, and text for specific purposes.</p> <p>Elements of media arts used to communicate meaning.</p> <p>Influences of digital media, including on communication and self-expression.</p> <p>Story principles and genre conventions.</p>
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