

Program: The Ripple Effect

Grade 4 - Ontario Science and Technology Curriculum



Activity Name	Organizing Idea	Learning Outcome
Activity: Ripples of Changes	A. Stem Skills and Connections	A3. Applications, Connections, and Contributions – Demonstrate an understanding of the practical applications of science and technology, and of contributions to science and technology from people with diverse lived experiences
Activity: Des Ondes de Changement	A. Stem Skills and Connections	A3. Applications, Connections, and Contributions – Demonstrate an understanding of the practical applications of science and technology, and of contributions to science and technology from people with diverse lived experiences
Activity: Float on with Argo	Grade 9-12	
Activity: How to Conduct Ocean Policy Research	Grade 9-12	
Activity: What is Ocean Policy?	Grade 9-12	
Activity: What is a Blue Economy?	Grade 9-12	
Activity: Flotter avec Argo	Grade 9-12	
Activity: Qu’est-ce que la politique océanique?	Grade 9-12	
Activity: Quel est l’objectif d’une économie bleue?	Grade 9-12	
Activity: The Plastic Cycle Interactive	B. Habitats and Communities	B1. Relating Science and Technology to Our Changing World – Assess impacts of human activities on habitats and communities, and analyse actions for minimizing negative impacts and enhancing positive ones
Activity: Argo Floats!	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	D. Structures and Mechanisms: Machines and Their Mechanisms	D1. Relating Science and Technology to Our Changing World – Evaluate the impacts of various machines and their mechanisms on society and the environment
Activity: Sustainable Ocean Industries	A. Stem Skills and Connections	A2. Coding and Emerging Technologies – Use coding in investigations and to model concepts, and assess the impact of coding and of emerging technologies on everyday life and in STEM-related fields
Activity: Protecting Our Oceans	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures

Activity: Le Cycle du Plastique	B. Habitats and Communities	B1. Relating Science and Technology to Our Changing World – Assess impacts of human activities on habitats and communities, and analyse actions for minimizing negative impacts and enhancing positive ones
Activity: Les Flotteurs Argo!	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	D. Structures and Mechanisms: Machines and Their Mechanisms	D1. Relating Science and Technology to Our Changing World – Evaluate the impacts of various machines and their mechanisms on society and the environment
Activity: Industries Océaniques Durables	A. Stem Skills and Connections	A2. Coding and Emerging Technologies – Use coding in investigations and to model concepts, and assess the impact of coding and of emerging technologies on everyday life and in STEM-related fields
Activity: Protéger nos Océans	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures