# Program: The Ripple Effect

## Grade 9 – Ontario Science and Technology Curriculum Connections

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| Activity Name | Organizing Idea | Learning Outcome |
|---|---|---|
| Activity: Ripples of Changes | A. STEM Skills, Careers, and Connections | A2. Applications, Careers, and Connections - analyse how scientific concepts and processes can be applied in practical ways to address real-world issues and in various careers, and describe contributions to science from people with diverse lived experiences |
| | B. Biology - Sustainable Ecosystems and Climate Change | B1. Relating Science to Our Changing World - assess impacts of climate change on ecosystem sustainability and on various communities, and describe ways to mitigate these impacts |
| Activity: Des Ondes de Changement | A. STEM Skills, Careers, and Connections | A2. Applications, Careers, and Connections - analyse how scientific concepts and processes can be applied in practical ways to address real-world issues and in various careers, and describe contributions to science from people with diverse lived experiences |
| | B. Biology - Sustainable Ecosystems and Climate Change | B1. Relating Science to Our Changing World - assess impacts of climate change on ecosystem sustainability and on various communities, and describe ways to mitigate these impacts |
| Activity: Float on with Argo | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |
| Activity: How to Conduct Ocean Policy Research | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |
| Activity: What is Ocean Policy? | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |
| Activity: What is a Blue Economy? | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |
| | | A2. Applications, Careers, and Connections - analyse how scientific concepts and processes can be applied in practical ways to address real-world issues and in various careers, and describe contributions to science from people with diverse lived experiences |
| Activity: Flotter avec Argo | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |

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| Activity: Qu'est-ce que la politique océanique? | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |
| Activity: Quel est l'objectif d'une économie bleue? | A. STEM Skills, Careers, and Connections | A1. STEM Investigation Skills - apply scientific processes and an engineering design process in their investigations to develop a conceptual understanding of the science they are learning, and apply coding skills to model scientific concepts and relationships |
| | | A2. Applications, Careers, and Connections - analyse how scientific concepts and processes can be applied in practical ways to address real-world issues and in various careers, and describe contributions to science from people with diverse lived experiences |
| Activity: The Plastic Cycle Interactive | **Grade 4-8** | |
| Activity: Argo Floats! | **Grade 4-8** | |
| Activity: Sustainable Ocean Industries | **Grade 4-8** | |
| Activity: Protecting Our Oceans | **Grade 4-8** | |
| Activity: Le Cycle du Plastique | **Grade 4-8** | |
| Activity: Les Flotteurs Argo! | **Grade 4-8** | |
| Activity: Industries Océaniques Durables | **Grade 4-8** | |
| Activity: Protéger nos Océans | **Grade 4-8** | |