

**Subject Area:** Science  
**Unit Title:** Designing Sustainable Marine Tourism  
**Grade Level:** 6  
**Lesson Number:** 1 of 7

**Duration:** 45 minutes  
**Date:** March 10, 2023  
**Teacher:** Ms. Jane Smith  
**Room:** 101

### Introduction to Sustainable Marine Tourism

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Welcome to the "Designing Sustainable Marine Tourism" project, an exploratory learning experience designed for 11-year-old students. This project aims to engage students in the process of designing and proposing their own sustainable tourism project, with a focus on the environmental, social, and economic impacts of tourism on the marine ecosystem.

### Lesson Objectives

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#### Learning Objectives:

- To understand the concept of sustainable tourism and its significance in preserving the health of our oceans.
- To analyze the environmental, social, and economic impacts of tourism on the marine ecosystem.
- To design and propose a sustainable tourism project that minimizes harm to the marine ecosystem while promoting economic and social benefits for local communities.
- To develop critical thinking skills, creativity, and problem-solving abilities through the design and proposal of a sustainable tourism project.

## Lesson Plan

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### ● Introduction to Sustainable Tourism (10 minutes)

- Introduce the concept of sustainable tourism and its importance in preserving the health of our oceans.
- Discuss the environmental, social, and economic impacts of tourism on the marine ecosystem.

### ● Group Discussion - Tourism Experiences (15 minutes)

- Ask students to share their experiences with tourism, either through personal travel or stories from family and friends.
- Facilitate a group discussion to generate interest and encourage students to think critically about the impacts of tourism.

### ● Presentation - Marine Ecosystems and Sustainable Tourism (20 minutes)

- Present information on the current state of marine ecosystems, including the threats posed by pollution, overfishing, and climate change.
- Emphasize the importance of sustainable tourism in conserving marine ecosystems and promoting environmental stewardship.

### Guided Practice

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**Environmental Impact Assessment:**

- Ask students to identify the potential environmental impacts of tourism on the marine ecosystem.
- Provide a graphic organizer to categorize the impacts into short-term and long-term effects.

**Social Impact Analysis:**

- Ask students to analyze the social impacts of tourism on local communities.
- Provide a concept map to identify the positive and negative social impacts of tourism.

### Independent Practice

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#### **Sustainable Tourism Brochure:**

- Ask students to create a brochure for a sustainable tourism project.
- Provide success criteria, including a clear and concise description of the project, objectives, target audience, and expected outcomes.

#### **Sustainable Tourism Business Plan:**

- Ask students to develop a business plan for a sustainable tourism project.
- Provide success criteria, including a market analysis, financial projections, and marketing strategy.

### Assessment

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**Project Proposal:**

- Evaluate the clarity and coherence of the proposal, depth and thoroughness of the environmental impact assessment, and effectiveness of the social and economic benefits.

**Presentation:**

- Evaluate the clarity and confidence of the presentation, effectiveness of visual aids and supporting materials, and ability to answer questions and address concerns.

### Conclusion

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In conclusion, the "Designing Sustainable Marine Tourism" project is an exploratory learning experience that engages students in the process of designing and proposing their own sustainable tourism project. Through this project, students develop critical thinking skills, creativity, and an understanding of the importance of sustainability in tourism development.

