



# SEAQUARIA LESSON PLAN

## CONNECTIONS

Lesson Title: Planning an intertidal field study. Grade Level: 3-5 Date: 2005/2006  
Teacher: Laureen Brain School: Vic West Elementary  
Contact Phone: 382-9131 Contact e-mail: lbrain@sd61.bc.ca  
Subject Areas:  Language  Fine Arts  Math  Science  PE/Health  Personal Planning  French  Socials  
Previous Lesson: Beach Etiquette Next Lesson: Intertidal studies

## SETTING THE SCENE

Theme: Planning, preparation and research.  
Goal (objective): To plan and participate in an intertidal field study. (To choose an appropriate date and time to participate in an intertidal field study.)  
Activity: Researching information about tides, temperature, weather and appropriate beach locations, using available resources.  
Connecting to Experience: Visits to the beach.  
When is the best time to study the intertidal zone?  
Initial Question: What is the information you need to decide the best time?

## THE LESSON

### Materials Required:

- Local maps
- Newspaper (weather section, which includes tide predictions)
- Internet (Environment Canada)
- Weather station at school
- Once Upon a Seashore (K-6 Curriculum) by Gloria Snively

### Procedure:

introduction: We will be going to the beach to study the tide zones. What would the ideal conditions look like?  
Generate a discussion about an ideal day at the beach.

body: Move your discussion to different conditions they've experienced at the beach (low vs. high tide, calm vs. windy conditions, rocky or sandy shore, creatures they've seen)  
Introduce the purpose of the trip to the beach (to study the intertidal zones).  
You could teach some basic concepts about the intertidal zones (low, mid, high, splash) (see pg. 188-190 in Gloria Snively's book for some pertinent details)  
Look up info, maps etc.

close: Decide on 2 or 3 best options for dates and times for intertidal studies.  
Prepare list of what will be needed (incl. appropriate clothing & any equipment they will need)

## REFLECTION

**Student:** (Discussion) related to goal, metacognitive or thinking about your thinking, new ideas.

What do you think now?

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**Teacher:** Where do we want to go from here? Future Directions and Strategies to get there. Variations, lead up.