Unit 5: Fresh and Saltwater Systems *End of Unit Project*

You must choose **1** of these
You will do the project **alone**, or with a **partner,** depending on the chosen project
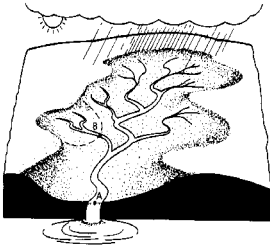
Description of Project Goals:

To design and construct a 3D model of a …
1. **Stream Profile** that illustrates the different stages and characteristics of a stream.
2. **Retreating Valley Glacier** that identifies the glacial landforms created.
3. **Famous Dam**, showing how it interacts with and affects different ecosystems.

Background:

Stream Profile **(Alone, or w/partner)**	**Retreating Glacier** **(Alone, or w/partner)**	**Dam** **(Alone, or w/partner)**
Stream Characteristics	All About Glaciers	Impacts of Dams

Specifications: (All specifications are the same for these models)

Stream Profile	**Retreating Glacier**	**Dam**

Materials: You may use any available household materials you are able to utilize with permission from your parents.

Size: This project is to be a model and **should not exceed** the following dimensions:
Base - 50cm X 100cm
Height - 25cm

Labels: The purpose of this project is to determine how much scientific information you have been able to absorb from your study of this Unit. The labels that you put on your model and how you explain them in your presentation is the vital component in this activity. Labels should be legible and placed accurately to depict the component you are describing in your model.

Components: The following is a brief list of what you **must** have in your model.
(You may also include other details that go beyond what we covered in our textbook and discussions.)

Stream Profile	**Retreating Glacier**	**Dam**
headwaters (sources)	esker	**Pre**-Dam ecosystem
slope	moraine	Identifiable environments
stages	kettle lake	
meander	erratic	**Post**-Dam ecosystem
flood plain	glacial stream	Identifiable environments
mouth	outwash plain	
estuary	drumlin	Consequences Positive & Negative

Evaluation:

Model 60% (Built to Specifications)	**Presentation: 40%**		
	Self-Evaluation **10%**	Peer Evaluation **10%**	Teacher Analysis **20%**