

# Edible Algae

**Instructor:** Shannon Noble

**Workshop:** International Food

**Targeted Grade Level(s):** 6<sup>th</sup> – 8<sup>th</sup> grade

**Content Area(s) Covered:** Science- classification, Protist Kingdom, Algae as Food

**Anticipated Duration:** 50 minute class period

**Rationale:** To appreciate the value of the organisms in the Protist Kingdom

**Objectives:**

1. Students will be able to identify common Protists.
2. Students will learn the common name for Protists.
3. Students will be able to list some common products that contain marine algae.
4. Students will be able to list common food sources of marine algae.
4. Student will be able to explain the value of algae to various countries and cultures.

**Sunshine State Standards**

**SC.G.1.3:** The student understands the competitive, interdependent, cyclic, nature of living things in the environment.

**SC.G.2.3:** The student understands the consequences of using limited resources.

**Resources/Materials Needed:**

- Copy of [Edible Algae lab](#)
- Index cards labeled Stations 1-7
- Copies of “Background” information sheets to place at [lab stations 1 and 6](#)
- Printout of “Products of Marine Algae” from the following website:  
<http://www.marcel.com.ph/html/application.htm>
- Pictures of Euglena (for station 2)
- Pre-packaged Nori (for station 3) –easily purchased at most grocery stores
- Microscope and prepared slide of diatoms (for station 4)
- Empty *Crest* toothpaste box with ingredient list (station 5)
- Prepared Vegetarian Sushi (station 7)- easily purchased at most grocery stores
- Internet access (station 7)
- Hand Sanitizer at food stations

**Procedures:**

1. Students may work in pairs and complete the lab stations in any order, but make sure there are only a couple of students at each station at one time.
2. Students are to hand in completed lab at the end of the class period.

Informal/Formal Assessments:

I grade for thoroughness and completion. 10 points for each of the 8 sections completed and 20 points for participation/clean up/behavior.

Evaluation/Reflection

Students loved this lab. Be prepared for abundant enthusiasm as they sample the seaweeds.