



## Lesson Logistics

### Learning Outcomes

<b>Grades 7-9</b>
Cells, tissues, organs and systems

### Class Organization

Divide the students into groups of three or four.

Ensure that each group has a *Student Handout*.

One *Glovely Digestion* model will be constructed per class.

### Notes

This activity has a fairly high start-up cost and time commitment. However, once the model has been built, it will last for years and only minor components will need to be replaced for future demonstrations.

Lay a garbage bag underneath the model to facilitate clean up.

It is recommended to have a container of water handy in order to refill the salivary glands as needed. An appropriate receptacle for the disposal of the stomach waste is also suggested.

Cookie sandwiches used for the demonstration should be made a few hours prior to performing the activity.

### Further Exploration

#### Research Project

Prior to the demonstration, encourage the students to write down any questions they may have about digestion on the blank sheet included in the *Student Handout*. Many of the initial questions posed by the students will be resolved during the demonstration. However, the questions can be revisited in the post-demonstration discussion and additional queries or insights may be prompted by the instructor. The groups can select a topic of interest related to the digestive system to research and present their findings to the entire class.



a WOW Lab

# BLUEPRINT

## The Glovely Digestion Model - Lesson Logistics

### Parts of the Digestive System

Provide the students with the unlabeled digestive system diagram included in the *Student Handout* and challenge them to find the appropriate names and functions of the body parts. The students should consult the body part function cards provided in the *Student Handout* to help guide their labelling decisions. As a class, discuss the order of the parts of the digestive system. Encourage the students to support their labels with explanations provided from the body part function cards from the *Student Handout*. The students can create models of the whole digestive system after doing some further research. They can trace their upper bodies onto a poster board and use various sorts of materials to represent the organs in the digestive system. Afterwards, the students can arrange the organs and place them on the poster board in the appropriate locations.