SECTION 4: DIGESTION

LAB

INTRODUCTION
The body consists of various systems. The mouth, esophagus, stomach, small intestine, and large intestine make up the digestive system. It takes one minute for food to move from the esophagus to the stomach where it will remain for an hour. Food will then spend four hours in the small intestine and 15 hours in the small intestine. Students will learn more about each step of the digestive system through a series of demonstrations and experiments in this lesson.

ASSESSMENT ANCHORS ADDRESSED

PURPOSE
Students will study the sequential steps of digestion and the roles of teeth and the mouth, esophagus, stomach, small intestine, large intestine, and colon in the function of the digestive system.

MATERIALS

For the class:
Sandwich bags
Unsalted soda crackers
Iodine solution
Benedict’s solution
Hot pot
Pyrex measuring cup
Stethoscope
Water*
Paper towels
Cups
Knife
Celery stalk*
Jar
Food coloring
Dialysis tubing

*Teacher provides items marked with *