

Digestive System Simulation

Lesson Concept

The digestive system consists of the mouth/teeth, esophagus, stomach, small and large intestine, colon, rectum/anus.

(Teacher Note: The pancreas, liver, and gall bladder also play a role in the digestive system but they are not addressed here because they are not in the California standards for grade 5.)

Link

In the previous lesson, students learned about how digestions begin in the mouth. In this lesson, students will learn the structure and function of the other organs of the digestive system. In the next lesson, students will show their understanding of the digestive system in a creative writing.

Time 45 minutes

Materials

Whole Class

Digestion Story (R1)

Per Group of 4-6 students

1 Ziploc sandwich bag (mouth)

1 Ziploc quart sized bag (stomach)

Piece of flexible clear tube (esophagus)—see advance preparation

1 Leg of a panty-hose (small intestine)

1 Knee-high nylon (large intestine and colon)

2 5-8 oz Paper cups; one with a slit cut in the bottom (rectum and anus)

Duct tape (to connect mouth to esophagus; stomach to small intestine; small intestine to large intestine)

1/2 Banana

4-5 Saltine crackers

2-3 oz Water (approximately 60 mls)

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N Colangelo

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