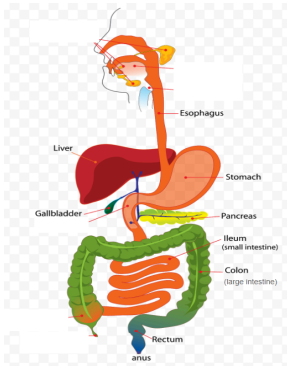


Ozobots and The Digestive System



Handouts at each station:

[Digestive System Picture](#)

[Primary Digestive Organs duties sheet](#)

At each Ozoblock station:

[Coding legend](#)

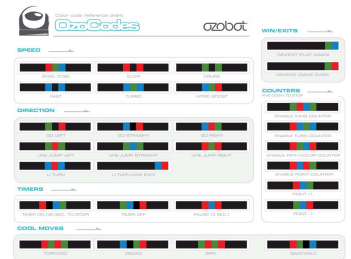
Video - [How to Use Ozobots Part 1](#)

Ozobot Markers - black, red, blue, green

2 pencils

Playground paper -- scrap paper to practice on

Large white bulletin board paper



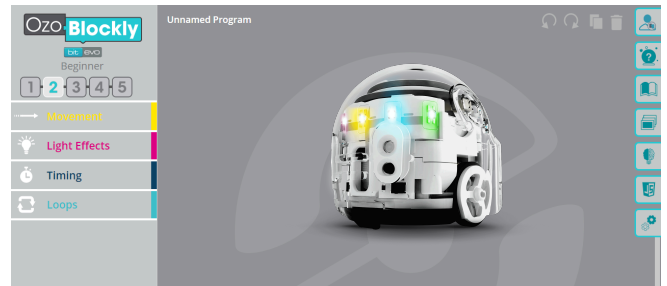
- Introduce the Digestive System and discuss briefly TWO systems, Primary and Secondary. Today we focus on the Primary system.
- Using the Picture of the Digestive system and the Primary organ sheet, students draw a ROUGH SKETCH of the Primary System on the BIG WHITE PAPER. This is done in pencil and I gave 2 minutes to create this.
- Watch the [Ozobot Video](#)
- Give each group 1 ozobot
- Allow 5 minutes of PLAY time on playground (small white paper)
- Now time to plan your code. The ozobots will create a path that mimics the way food is processed. Remind students to use the CODE to emphasize the process occurring at each organ. At each location the students will explain the organs duty and the action of the ozobot.
 - a. The tornado motion mimics the mechanical digestion of the mouth. This is where the digestion process begins. Saliva is used to break down food as well as chewing.
 - b. Nitro boost was used to travel down the esophagus because the food travels quickly from the mouth to the stomach through the esophagus.
- ** After completing the assignment successfully, please take a video of the Ozobot and have someone EXPLAIN the functions of the organs as the Ozobot passes them. You may be asked to upload this video to Google Classroom or Flipgrid.

At each Ozoblockly Station:

[Large colored Digestive System Poster](#)

[Link to Ozoblockly.com](https://www.ozoblockly.com)

Ozoblockly directions - hard copy in classroom
Chromebook



- Introduce the Digestive System and discuss briefly TWO systems, Primary and Secondary. Today we focus on the Primary system.
- Using the Poster of the Digestive system and the Primary organ sheet. Label each ORGAN with the appropriate duty.
- Watch the [Ozoblockly Video](#)
- Give each group 1 ozobot
- Allow 5 minutes of PLAY time on playground
- Now time to plan your code. The ozobots will create a path that mimics the way food is processed. Remind students to use the CODE to emphasize the process occurring at each organ. At each location the students will explain the organs duty and the action of the ozobot.
 - a. The tornado motion mimics the mechanical digestion of the mouth. This is where the digestion process begins. Saliva is used to break down food as well as chewing.
 - b. Nitro boost was used to travel down the esophagus because the food travels quickly from the mouth to the stomach through the esophagus.
 - c. Sounds and lights can also be used to help designate special actions.
- ** After completing the assignment successfully, please take a video of the Ozobot and have someone EXPLAIN the functions of the organs as the Ozobot passes them. You may be asked to upload this video to Google Classroom or Flipgrid.