### LINGOKIDS

### **BABY BOT VIDEO LESSON: DIGESTION**

**VIDEO:** Digestion

**TOPIC:** Children will learn about digestion

and the different steps involved in it

FOR AGES: 4-8 years old

**LESSON TIME: 1 hour** 



#### INTRO (10'):

INTRODUCING THE CONCEPT OF DIGESTION(5') + VIDEO (5')

- Tell your students that today you will be learning about *digestion*.



- Introducing the concept of digestion: Tell your students that the process of breaking down food so that it can be used by the body is called digestion.
- Ask your pupils to sit down on the carpet facing the board, and project this video.



# ACTIVITIES (25'): STUDENTS WILL PARTICIPATE IN AN EXPERIMENT TO LEARN ABOUT DIGESTION

#### **ACTIVITY 1**

 Digestion experiment: To carry out this activity we would recommend for older students to be paired up, and for younger students to be divided into two large groups so that they can see the experiment result better. As seen on the video, explain that your stomach has a very important job, which is to break down the food that you eat.



- 1) A plastic, ziplock bag
- 2) A permanent marker
- 3) A few crackers
- 4) Clear soda



- To prepare the activity, draw the outline of a stomach on the ziplock plastic bag.
- Show your students their "stomachs" on the plastic bag. Invite them to "fill their stomachs" by adding the crackers to the plastic bag.
- Explain that the stomach has two different ways to break down food. The first way is through physical action. The stomach moves and churns the food to break it down; have your students use their hands to crush the crackers into small pieces.
- In addition to physically churning the food to break it down, the stomach also uses chemicals in the form of acids to break down food. Specifically, the stomach uses hydrochloric acid to break down food: invite your students to pour a few ounces of clear soda into their plastic ziplock bags.
- Warning: Make sure zip lock bags are closed after adding the soda!
- Discuss with your students how the physical churning of the food combined with the chemical breakdown from the acid together make the stomach so effective at digesting food.





# PRACTICE WORKSHEETS (20'): STUDENTS WILL WORK ON THEIR WORKSHEETS

## WORKSHEET FOR YOUNGER STUDENTS (PAGE 1) AND WORKSHEET FOR OLDER STUDENTS (PAGE 2):

Students will write the parts of the body and the steps involved in the process of digestion through different activities.

\*The teacher should feel free to use these materials in any way that matches the needs of their students: promoting independent work, independent research, getting students in turns to do the activities on the board, etc.

#### TIDY UP (5'):

Allow for students to clean up the classroom, put materials away, and get ready for the next class.



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## **CRAFT**DIGESTIVE SYSTEM APRON:



Grab a blank apron and draw the different organs involved in digestion and where they are placed inside your body. Students/children could complete one per group, using diagrams for guidance, or you could complete one yourself and have it in your classroom/at home for everyone to learn about where their different digestive organs are!

## RESEARCH AND PUBLIC SPEAKING THE ORGANS IN THE DIGESTIVE SYSTEM:

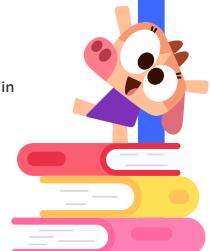
As we have learned, there are many organs involved in digestion and this is an activity for you to learn more about each of them. We would like you to choose one of the organs in the digestive system and look up the following information:

- A picture of your organ
- A description of what your organ does
- Other organs associated with your organ
- What happens if your organ stops working/is not working right
- Three interesting facts about your organ

Put all the information together on a poster, on a presentation board, (whatever suits you!), and then share it with others.

## SCIENCE DIGESTIVE SYSTEM MODELING:

Recreate the different organs of the digestive system with modeling clay. We recommend that, if possible, you make each in a different color so that when you recreate the digestive system you get to see the different parts involved in it. If necessary, look up pictures of each of them so that you can recreate them as close to reality as you can. As an idea, if you want you can even label them.



## LITERACY WORD SEARCH:

Create a word search including the name of all of the organs included in the digestive system. You can even make two versions - an easier version (with no diagonal words), and a more difficult one. Find out if someone can solve them both!

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