



## Goofy Goats

### Video #322

#### Developed for Grades: K - 1st

The WOW videos have been developed to inspire students to learn more about **NGSS Life Science and/or Earth Science Disciplinary Core Ideas**. These could include:

- Plants and animals (including humans) can change their environment.
- Living things need water, air, and resources from the land.
- Humans use natural resources for everything they do.
- All organisms have internal and external structures that serve various functions in growth, survival, behavior and reproduction.
- Importance of ecosystems and habitats
- Cross cutting concepts like patterns, cause and effect, etc.

The WOW videos and their support documents can also be used with **English Language Arts**. Here are some ideas:

1. Select a few questions from the Know-It-All section and have students write their answers.
2. Have students write a story related to the topic. They could even add illustrations. For some grades students could read their stories and/or video tape their readings to share.
3. Students could write a poem, a play, or a song based on something in the video that created an emotional response for them.
4. Key words in the video can be used in creative writing assignments.
5. Older students could explore the difference in learning from video as opposed to a book. What are the advantages and disadvantages?

## Answer Key for Know-It-All

1. **Where is the water and food for the goats located?**
  - The water and food is kept in the barn. Food can also be found outside the barn.
2. **What makes the goats' space different from the other animals we have at Hidden Villa? Why do they need these different items?**
  - They have playground equipment (big tires, stumps, logs). Goats have a lot of energy and enjoy playing and jumping. These toys give goats a way to use that energy in a fun and safe way.
3. **Why do the farmers put the goats in their shelter (barn) at the end of the day?**
  - A. To go to bed
  - B. To eat their dinner of alfalfa
  - C. To be safe at night
  - D. All of the above
  - D, all of the above
4. **Goats are part of a group called "ruminants", that means that their stomachs have four parts. They can only eat plants, which can be hard to break down, or digest. The four parts of their stomach helps them to digest their food, which is much harder to digest than some of the food we eat.**
  - A. What would it be like to only eat plants? No cheese, no eggs, no meat, just plants?
  - B. Have you ever felt your stomach move around or make gurgling sounds as you digest? Describe how that feels.
  - C. Lots of farm animals like cows, sheep, and goats are ruminants. What else do they have in common?
  - a) Students' answers will vary.
  - b) Students' answers may vary as they describe what it felt like to feel their own stomach digesting food. Ruminants are able to eat a variety of foods humans cannot, for example they are able to break down tougher foods because of the four chambers in their stomachs. This is why goats can eat and digest foods like grasses, hay, alfalfa, and branches. If they ask whether farm animals also pass gas, (and if you want to answer that cheeky question), the answer is Yes!
  - c) They all have split hooves. They are all prey animals (eyes on the sides of their heads) and herbivores (plant-eaters). They all give us milk and meat. They all live in herds. They are all mammals.

