



Problem Solving Pigs

Video #328

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. What are the four things all animals need to survive?

- The four things all animals need to survive are food, water, shelter, and space or air.

2. What are some things you saw inside the piggery that helped the pigs get these things? Can you think of other ways to give pigs these things?

- Some things that we provide for the animal are the water fountain, the wooden shelter, the outdoor area, and the can of pelleted food. Other answers may include: providing straw for making a bed, pasture for roaming, water trough, leftover food items, milk from our dairy cows that can't be used by people, leftover bread from the local bakery, apples that are too ripe for people to enjoy, etc.

3. What can people get from pigs? Can you think of any products that were not mentioned in the video?

- The three things Noah mentioned that people can get from pigs are hair for brushes, leather from their skin to make footballs, gloves, shoes, and jackets, and meat products like ham, bacon and pork. There are many other uses for pig meat like carnitas, sausage, salami, hot dogs, pancetta, spam, and fried pork skins (chicharrones).

4. Did you notice the pig's nose? What did it look like? How could having a nose this shape help a pig?

- A shovel-like nose helps a pig to dig through straw, dirt, or other surfaces. Of course creative answers are welcome.

