



Chickens - From Egg to Egg-Layers

Video #327

Developed for Grades: 2nd - 5th

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. **How do we protect chicks that are at the beginning of their lifecycle?**
 - We keep chicks in a brooder in order to keep them safe. A brooder is a protected shelter for the chicks that has water and food and heat lamps to keep them warm.
2. **What are pullets?**
 - Pullets are adolescent chickens or teenager chickens.
3. **How do chickens help their neighbors the pigs? Do you think the chickens also benefit? What is that called when two organisms work together and both benefit from the relationship?**
 - Chickens help their neighbors, the pigs, by eating the bugs in their "bathroom". The bugs are attracted by the pigs' waste and the chickens help keep the bugs population from getting out of control. The chickens also benefit from eating the bugs, giving them important nutrients that they may otherwise not get. This is a symbiotic and mutualistic relationship where both the pigs and chickens are benefitting.
4. **How do chickens clean themselves?**
 - Chickens take dust baths to clean themselves. By working the dirt up into their feathers they can control the oil and pests on their bodies to stay happy and healthy.
5. **In the video, Nick talks about how death is part of the life cycle. What are three things we can thank chickens for after they die?**
 - We can be thankful for their bones for broth or fertilizer, feathers for pillows and coats, and their body for meat. When chickens are alive they also give us eggs to enjoy. Thank you chickens!

