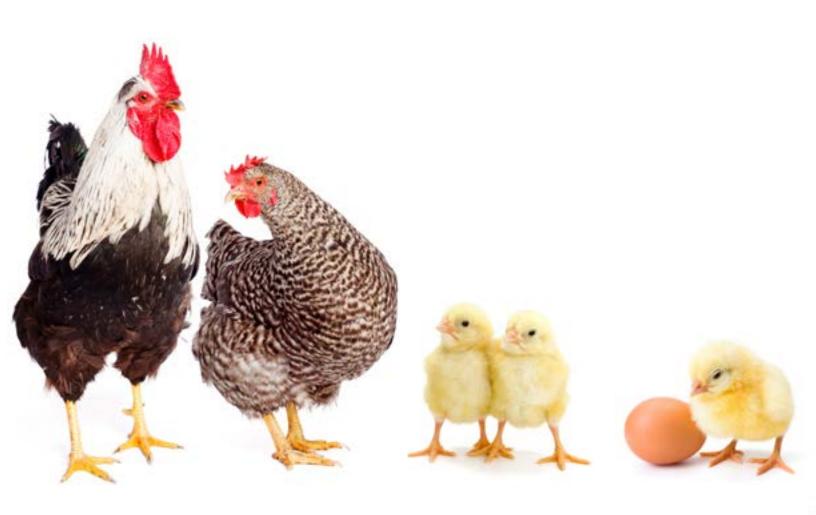


Chickens in Chaps

OVERVIEW

What did you eat for breakfast? Maybe it was toast and jelly, sausage and bacon, or even eggs. Chances are that whatever you had for breakfast is a product of agriculture. Now let's say you had eggs for breakfast, were they scrambled, fried, or boiled? Eggs can be used in a variety of dishes, but do you know how these eggs reach your plate? Maybe your eggs came from the grocery store, but these little guys traveled a lot farther than that before reaching your table! Let's take a closer look at their journey to you.





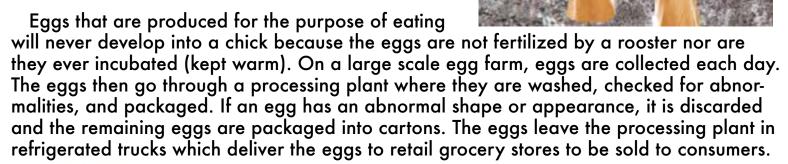


HEN TO HOME

EXPLANATION

Eggs are produced by hens (female chickens) on egg farms. Hens begin laying eggs when they are 4-6 months old. A good laying hen will produce 6-7 eggs per week for the first 1-2 years of her life. Chickens are domestic fowl, as are turkeys, ducks, and geese. All species of poultry lay eggs. Chicken eggs are the most commonly consumed egg in the United States.

Eggs come in various shell colors although there is no nutritional difference between different colored eggs. The shell color depends upon the breed of chicken. Eggs can be white, tan, brown, or even a light shade of blue or green. Chickens can be raised on a large or small scale farm. A few chickens can easily be raised in a backyard to provide eggs for a family. Eggs that are purchased from a store likely came from a large scale farm. Chickens live in houses called a coop. They eat a special feed that includes grains, such as ground corn and wheat.





Rooster- male domestic chicken

Coop - a cage or pen for confining poultry

Incubation- keeping eggs at a suitable temperature to develop

Poultry - a domesticated bird kept for eggs or meat.

Domestic - tame (an animal) and keep it as a pet or for farm produce

Eggs - an oval or round object surrounded by a shell laid by a female bird, reptile, fish or invertebrate, usually containing a developing embryo





ACTIVITY

MATERIALS NEEDED

Eggs (6 or 12)

Bowl or Bin (2)

Access to water

Egg carton

Flashlight

Strainer or basin

Towel



STEPS

Preparation: Take the eggs out of the carton or whatever container you have them in, and place them in a basket labeled nest

Step 1: Today we are going to start out being farmers. Farmers make sure that their chickens have access to clean water and feed daily. The wellbeing of their chickens is a top priority! Healthy chickens produce more eggs. The first thing we have to do is gather our eggs! Take your eggs from the nest, and place them carefully, one by one, into your basket. Farmers take extra care with their eggs not to break them.

Step 2: From there the farmer would give his or her eggs to a processing plant. Let's pretend we are the processing plant workers now! Once the eggs reach the processing plant, they have to be cleaned. To clean our eggs, we place them in a strainer or basin in the sink and wash them with water. They are then placed on a conveyor belt to dry. For today, let's place our eggs on a towel to represent the conveyor belt and pat to dry!

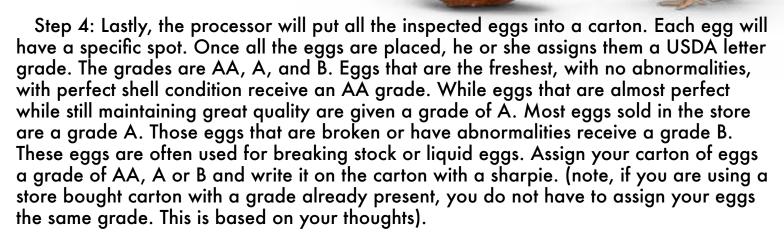
Step 3: The next step at the processing plant is for our eggs to go through inspection. Inspectors check the shell, the yolk, and the white of their eggs! During inspection, the plant worker will shine a bright light into the egg to check for abnormalities. This process is called candling. Some abnormalities could be that the yolk sack inside the egg is broken, not round, or there are two separate sacks! Today, we are going to inspect our eggs using a flashlight. Turn off the lights in whatever room you are in, aim the flashlight into the egg and write down your observations.





ACTIVITY

STEPS



Step 5: Our eggs are finally ready to be put on the truck. Let's exchange our farmer hats for trucker hats as we transport our eggs to the grocery store. Eggs are transported in special refrigerated trucks to keep them cool and fresh. Sometimes our eggs travel hundreds of miles before they reach the grocery store. Take your container of eggs and travel throughout your home on your way to the "grocery store" or in this case, the fridge! Once you arrive at the fridge it is time for the last leg of our eggs' journey.

Step 6: Once the eggs arrive at the grocery store they are placed on a shelf in the refrigerated section until they are purchased by a consumer. Carefully place your eggs on a shelf in the fridge. If we were at a grocery store they would soon be purchased for use

in a variety of tasty dishes!

We have successfully taken our eggs from farm to fork. Who knew there were so many steps for our food to reach our plate!

Resources: <u>Homestead Sheep Youtube</u>
<u>Video</u>, <u>National Agriculture in the</u>
<u>Classroom</u>, <u>Poultry Wranglers Youtube</u>
<u>Video</u>, <u>The Happy Chicken Coop</u>, and
<u>USDA Agricultural Marketing Service</u>.







