

Getting to Know You

Q: What is your favorite way to eat an egg?

Janice Schooler, 541-883-4582

janice.schooler@oregonstate.edu

My favorite way to eat an egg is scrambled. Have you ever seen an egg hatch?

Here's a picture of me with an incubator, we will get to see the eggs in this incubator hatch!!



Introduce topic: Life Cycle of a Chicken

Today we're going to learn about what is inside an egg

Q: How does an egg become a chicken?



Q: What is inside the egg that becomes the chick?

Here are a few words we're going to use Embryo, Poultry, Chick, incubate

Embryo: developing chick inside the egg. Poultry: Domesticated fowl such as chickens, turkeys, ducks and geese. Chick: A young chicken, newly hatched. Incubator: an enclosed controlled environment

What does an incubator look like? What will it do?



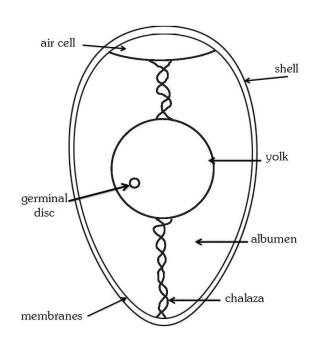


The incubator we will put our eggs in will look like this. The incubator will act like the chicks mom also called a hen. A hen will sit on her eggs all day for 21 days, getting up to eat and drink only.

A Hen will also rotate her eggs with her feet. The incubator will also rotate the eggs. The hen keeps her eggs warm just the right temperature, the incubator will do the same.

It will take 21 days for our eggs to hatch. You will learn about the embryo development into a chick. You will learn about candling eggs, this happens around day 7 or 8.

Activity One: Eggology



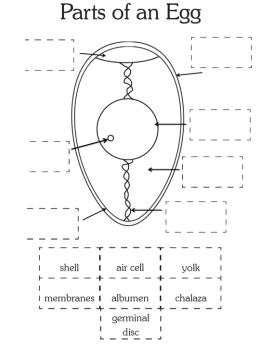
- Shell: This part of the egg has more than 7,000 tiny pores that allow oxygen to pass into the egg and carbon dioxide to pass out
- Air Cell: Located between the inner and outer membranes at the large end of the egg, this part of the egg holds oxygen for the chick to breath.
- Yolk: This part of the egg provides food for the embryo. It is made up of fats, carbohydrates, proteins, and minerals.
- Membranes: These parts of the egg keep bacteria from entering the egg and help to slow evaporation of moisture from the egg.
- Albumen: This part of the egg cushions the egg yolk floating with it and is the main source of protein and water for the embryo
- Chalaza: These cords keep the yolk floating in the center of the albumen
- Germinal Disc: These is the white spot on the yolk. The female's genetic material is found here.

Eggology

https://oregonstate.app.box.com/file/653199508832

Click on the link above to download the activity on the right

First cut out the words at the bottom of the page. Next place the word that is naming the part of the egg on the arrow that is pointing to that part on the egg



Q: How does an egg become a chicken?

- https://www.agclassroom.org/teacher/matrix/lessonplan.cf m?lpid=245
- https://www.msichicago.org/science-at-home/videos/thehatchery
- https://www.agclassroom.org/teacher/matrix/lessonplan.cf m?lpid=270
- https://www.agclassroom.org/teacher/matrix/lessonplan.cf m?lpid=469

Q: What did you learn?

Review of vocabulary words:

Shell

Air Cell

Yolk

Germinal Disc

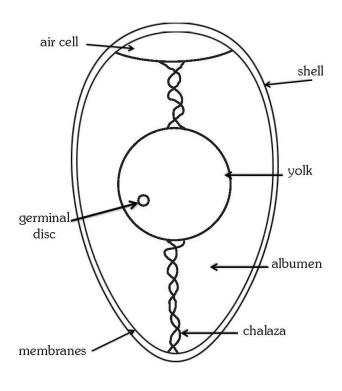
Albumen

Chalaza

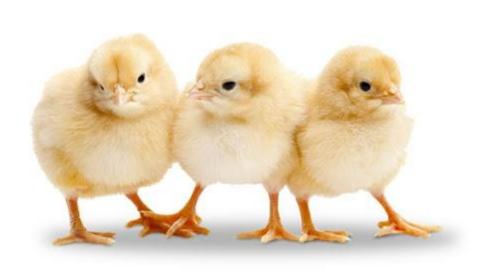
Membranes

Incubator





Next week: What's inside the egg? Chick embryo Development.





Thank you! See you soon

Janice Schooler

https://workspace.o

https://workspace.oregonstate.edu/klamathfood

https://extension.oregonstate.edu/kbrec



References, Learning Objectives & Science Standards

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Overall Program Learning Objectives:

- 1. Label and name the parts of an egg
- 2. Understand incubation
- 3. Define the parts of an egg

Hatching Science with Classroom Chicks 3rd Grade:

LS1 Vocabulary

Understanding terms used in chick hatching.

LS1 Eggology

Students will identify what incubation is .