

EGG STRUCTURE PROJECT

Books: Chickens by Rachael Bell and Gracias the Thanksgiving Turkey by Joy Cowley

After completion of this activity, students will be able to identify the name and function of 7 parts of an egg.

1. Project on overhead the diagram which shows the parts of an egg. This transparency shows the students how to assemble their Egg Structure Project. The transparency is Page 1. You can print these instructions, the transparency, and all of the cutting patterns at www.agintheclassroom.org under "Make & Takes."
2. Students will cut out the yellow sheet first. (page 2) Make sure that you stress the yellow sheet must not be cut from outside the egg shape, since it will become the frame.
3. The students will next cut appropriate size of clear plastic and tape to back side of frame (yellow sheet that was made from page 2) to make a clear window. Other parts will be glued onto the reverse side where there is no tape.
4. Students will cut out remaining construction paper parts and assemble as shown on the transparency. Use white paper for page 3. Use brown paper for page 4. Use green paper for page 5.
5. Students will cut appropriate lengths of yarn or string and place pointers from the labels to the appropriate part of the egg. One drop of glue at each end is adequate.

Thanks to: Jon Eller

THE EGG

Shell - Provides protection and has pores for air exchange.

Shell Membrane - Provides protection from germs and serves as a breathing surface for the embryo.

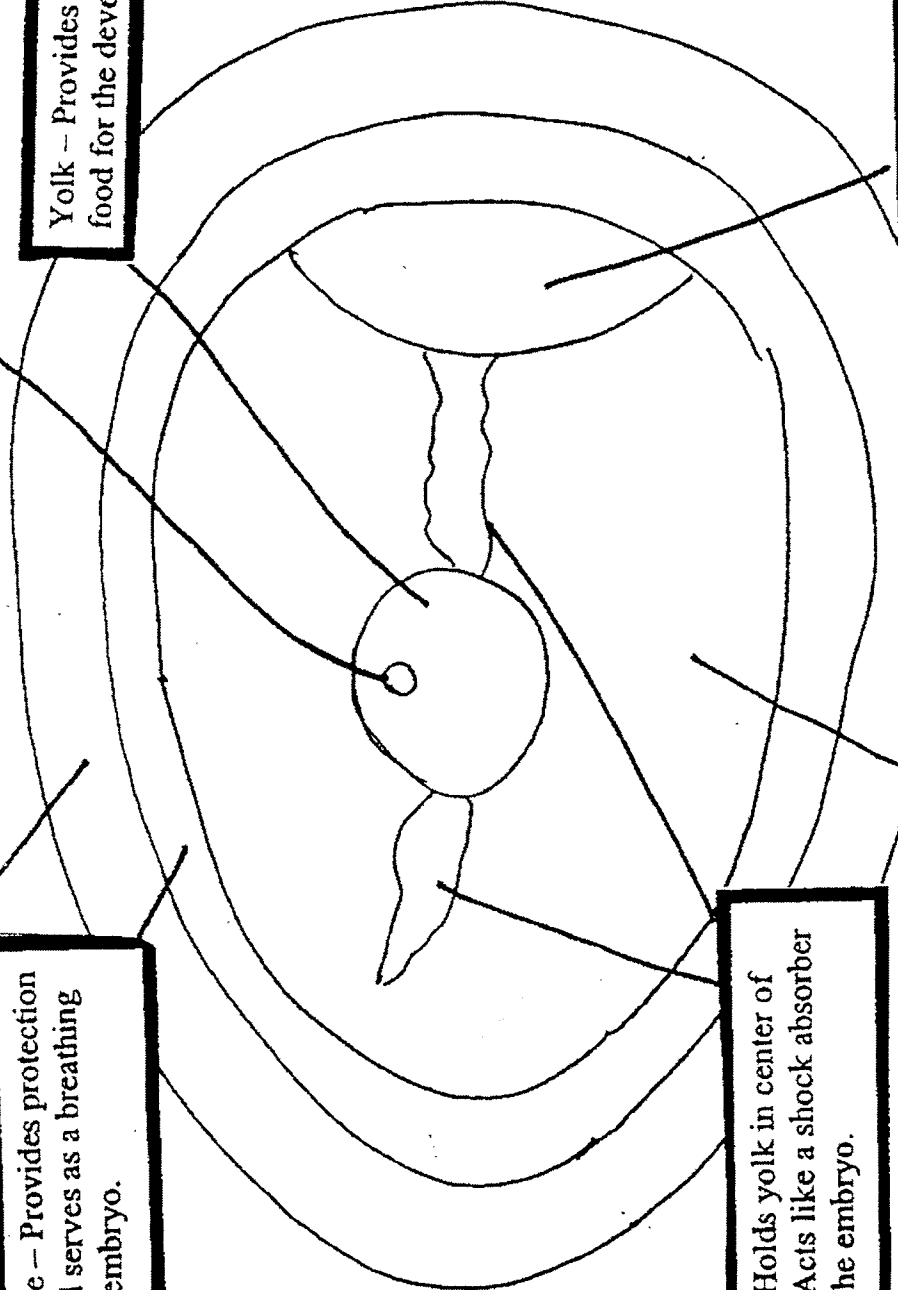
Germ Spot - All eggs have this spot. In a fertilized egg, the spot contains a tiny microscopic embryo. When the egg is incubated the embryo starts to grow rapidly.

Yolk - Provides a rich source of food for the developing embryo.

Chalaza - Holds yolk in center of albumen. Acts like a shock absorber to protect the embryo.

White or Albumen - Provides water and protein for embryo. Has germ killing properties.

Air Cell - Located at large end where there are more pores. Allows easy air exchange. Chick pops cell before hatching to fill lungs with fresh air.



For Transparency