



## Kent County 4-H Embryology Project in the Classroom Bringing Science to Life



Thousands of children learn science each year by hatching chicks. This Embryology Project is valued by teachers of all age groups and meets many Delaware academic standards. This project involves the hatching of chicken eggs. It includes fertile eggs, incubator, brooder and equipment, project book and various curriculum materials needed, all for a modest fee per classroom.

1. Request your date..
2. Early Spring, you will receive a confirmation letter from us with an invoice, and a demographic data sheet.
3. NEW: WE **MUST** receive your demographic data and payment prior to your scheduled week.
4. Cost is \$30.00 per classroom with a minimum of \$90.00 per school. If you choose to keep the chicks or additional equipment for a second week, there will be an extra \$50.00 pick- up fee per school.
5. The week prior to your scheduled week, supplies are dropped off at the **main office** of the school. The supplies should be passed out to all participating teachers by the lead teacher.
6. On your scheduled Monday, between 10am-1pm, University staff will bring the 18 day old (starting day 19) embryonated eggs to the school and drop them off in the **office**. Each classroom should get one dozen fertile eggs. They should be placed in the incubator immediately after arriving to school.
7. Chicks should begin hatching starting on Tuesday and will continue hatching on Wednesday.

8. Say your good-byes on Thursday afternoon! Prepare supplies and chicks to leave the school Friday. Put fresh bedding for the chicks in the brooder box (please take out food and water containers) and pack your supplies in the storage container. Please leave all supplies in the **office** for pick up by 10am. Clean the incubator prior to Friday Pick up Day. Clean the base with warm water, no soap please. Wipe out the hood with a damp rag. Do not submerge the hood.
9. 4-H will deliver the chicks to 4-Hers or local farms who are interested in keeping chickens. If teachers are interested in keeping chicks, please indicate that at the begging of the week. We locate homes for chicks and need to know their plans on Monday of drop off. We ask that once you decide, you don't change your mind.

These skills represent the scientific thinking and processing skills that are essential to scientific inquiry. The program encourages the use of the following skills:

- **Observing – Using sensory skills such as seeing, hearing and feeling to generate reasonable questions about the world based on observation**
- **Comparing and Measuring – Identifying similarities and differences**
- **Relating – Developing solutions to unfamiliar problems through reasoning and observations**
- **Creating a Hypothesis**

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