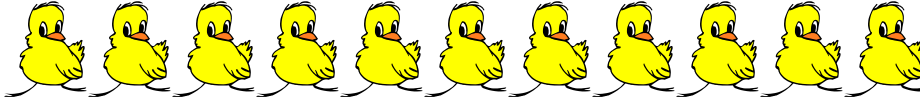


## New Castle County Cooperative Extension

461 Wyoming Road  
Newark, DE 19716  
(302) 831-8965

### New Castle County 4-H *Incubation & Embryology Project*



Thousands of children learn the life cycle each year through hatching chicks in their classroom. The *4-H Incubation & Embryology Project* is valued by teachers of all age groups and meets many Delaware academic standards. This project involves the hatching of eggs and includes fertile eggs, incubator, brooder and equipment, project book and various curriculum materials needed.

#### HOW THE PROGRAM WORKS:

- On Monday, extension staff will bring the 18-19 day old embryonated eggs to the school, along with all supplies. You will be given fertile eggs and supplies. **It is imperative that the eggs are placed in the incubators immediately arriving to school.**
- Chicks will start hatching on Tuesday and should continue hatching through Wednesday and possibly Thursday.
- Extension staff will pick up chicks and supplies on Friday.

#### 4-H RESPONSIBILITIES

- Deliver all supplies to the school office or classroom teachers.
- Provide each teacher with appropriate instructional materials.
- Deliver 18-19 day old embryonated eggs on arranged start date (will be a Monday).
- Staff is available to answer questions as they arise.
- Pickup all chicks and supplies on Friday unless you have made prior arrangements. Packing instructions are included in the packet of information you will receive on the Monday they are delivered. **All supplies must be returned to us cleaned.**
- Deliver the chicks to 4-Her's and/or local farms interested in keeping the chickens.

## TEACHER RESPONSIBILITIES

- Carefully review materials packet because the information contained within the packet will help make your project successful.
- Complete the 4-H Embryology Reporting Form
- Clean the incubator prior to Friday Pick-up Day. Clean the base with a water/bleach mixture after allowing it to soak. Please no soap! Wipe out the hood with a damp rag, please do not submerge the hood with water because of the motor in the incubator.
- Prepare supplies and chicks to leave the school on Friday. Please take out all food and water containers. If you have multiple classrooms participating, please combine all chicks into one or two brooder box, depending on the number of classrooms you have.
- Please have all supplies cleaned, prepared, and ready for pickup by the previously arranged pickup time.

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

- ✓ **Observing – Using sensory skills such as seeing, hearing, and feeling to generate reasonable questions**
- ✓ **Comparing and Measuring – Identifying similarities and differences**
- ✓ **Relating – Developing solutions to unfamiliar problems**
- ✓ **Creating a Hypothesis**

### Contact Information

- Questions will arise during this project. Please feel free to contact us at **any time**
  - **Cooperative Extension Office – Kaitlin Klair or Serena Conner**  
Office: (302) 831-8965  
Email: [kklair@udel.edu](mailto:kklair@udel.edu) or [serenac@udel.edu](mailto:serenac@udel.edu)

On behalf of NCC 4-H and Cooperative Extension, we would like to thank you for participating in the *4-H Incubation & Embryology Project*. You are encouraged to fill out the feedback survey.

