

# 4-H Embryology



## A School Enrichment Program

### The 4-H Embryology Program

Students will have the opportunity to learn about chickens, eggs, and embryonic development through observation of the egg hatching process. This program provides a great way for students to observe the development of life in just three weeks. Lessons are designed to build student math, science, and language arts skills. We have several different opportunities for your students to engage within this program.

#### RENTAL OPTIONS

*Incubator only*

*Price \$30*

#### KITS

Embryology Kits empower and equip educators to develop a unique program specific to their classroom at an affordable price. All kits must be retrieved from and returned to the CSU Extension Douglas County office by the educator/partner. Partners are asked to agree to terms and conditions of kit rental. To reserve a kit or if you have questions, please contact Madelyn Granos at [madelyn.granos@colostate.edu](mailto:madelyn.granos@colostate.edu) or 720-733-6940.

*Embryology for Teachers – Basic Kit*

*Price \$50*

For teachers familiar with embryology or just getting started, this kit provides everything needed to develop a program specific to each classroom. Basic kit includes digital incubator, and a teacher's curriculum toolkit (with set-up instructions, FAQ, student handouts, and lesson plans). **Teachers are responsible for coordinating egg pick-up/chick drop-off with the farm AND picking-up/dropping-off kit supplies from the extension office.**

Basic Kit Includes:

- 1 dozen fertilized eggs
- Digital Incubator
- Teacher Curriculum Toolkit

### **Embryology for Teachers – Premium Kit**

**Price \$75**

For teachers new to embryology or seeking an advanced program, this kit provides more than everything needed to develop a program specific to each classroom. Premium kit includes digital incubator, brooder (with feed and shavings), projector for candling, a teacher's curriculum toolkit (with setup instructions, FAQ, student handouts, lesson plans, access to training videos and evaluations) and lesson plan supplies (classroom poster, 30 market eggs, dissection probes, etc.). **Teachers are responsible for supply/egg pick-up and chick drop-off from CSU Extension Douglas County office.**

#### **Extension Douglas County office.**

##### Premium Kit Includes:

- 1 dozen fertilized eggs
- Digital incubator
- Brooder
  - Shavings
  - Feed
  - Water & feed containers
- High intensity candler
- Teacher Curriculum Toolkit
- Lesson Plan Supplies
  - Paper plates and popsicle sticks for egg dissection
  - 21-day poster
  - Plastic covering for egg experiments

## **PROGRAMMING**

Programming provided by CSU Extension Douglas County educators brings an embryology expert into the classroom to teach students the life cycle of a chick through fun hands-on activities and interactive dialogue. Extension educators visit the classroom on specific dates as scheduled with the teacher. Partners are asked to agree to the terms and conditions of programming to ensure high quality and effective education. To schedule a program or if you have questions, please contact Madelyn Granos at [madelyn.granos@colostate.edu](mailto:madelyn.granos@colostate.edu) or 720-733-6940.

### **Introduction to Embryology Program – Programming Kit**

**Price \$125**

To enhance student learning and provide expert embryology instruction, teachers can schedule an Extension educator to visit the classroom. This package includes the Premium Embryology kit delivered to the school as well as two instructional visits from Extension staff. **Extension staff will coordinate supply/egg drop-off and chick pick-up at the school.**

##### Intro to Embryology Programming Includes:

- Two classroom instructional visits (Introduction; Candling)
- 1 dozen fertilized eggs
- Digital incubator
  - Brooder
  - Shavings
  - Feed
  - Water & feed containers
- High intensity candler (projector)
- Teacher Curriculum Toolkit
- Lesson Plan Supplies
  - Paper plates and popsicle sticks for egg dissection
  - 21-day poster
  - Plastic covering for egg experiments

Extension Programs are available to all without discrimination. If you need special accommodation(s) to participate in the event listed, please contact Madelyn Granos, [madelyn.granos@colostate.edu](mailto:madelyn.granos@colostate.edu) or 720-733-6940. Your request must be submitted at least 10 days in advance of the event.

# VIRTUAL PROGRAMMING

## **Chick Cam – Virtual Programming Kit**

**Price \$50**

Instead of eggs in your classroom, follow along with the Chick Cam and have two private virtual lessons lead by a CSU Extension professional. This package includes the Lesson Plan Supplies as well as two live virtual instructional lessons from Extension staff. **Teachers are responsible for supply pick-up and drop-off from CSU Extension Douglas County office.**

### Intro to Embryology Programming Includes:

- Two live virtual lessons for your class (Introduction; Candling)
- Teacher Curriculum Toolkit
- Lesson Plan Supplies
  - Paper plates and popsicle sticks for egg dissection
  - 21-day poster
  - Plastic covering for egg experiments

## **Introduction to Embryology Program – Virtual Programming Kit**

**Price \$100**

To enhance student learning and provide expert embryology instruction, teachers can schedule an Extension educator to virtually visit the classroom. This package includes the Premium Embryology kit delivered to the school as well as two live virtual instructional lessons from Extension staff. **Extension staff will coordinate supply/egg drop-off and chick pick-up at the school.**

### Intro to Embryology Programming Includes:

- Two live virtual lessons (Introduction; Candling)
- 1 dozen fertilized eggs
- Digital incubator
  - Brooder
  - Shavings
  - Feed
  - Water & feed containers
- High intensity candler (projector)
- Teacher Curriculum Toolkit
- Lesson Plan Supplies
  - Paper plates and popsicle sticks for egg dissection
  - 21-day poster
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