

# CHAFFEE 4-H EMBRYOLOGY

Bringing the life cycle to life in your classroom



## The 4-H Embryology Program:

Embryology is the study of embryos and their development. The 4-H Embryology Project is a great opportunity for young people to begin learning about the science of life and the life cycle. This program is often considered school enrichment since the program is conducted in school classrooms.

The program gives students the opportunity to learn about chickens, eggs, and embryonic development through observation of the egg hatching process. It provides a great way for students to observe the development of life in just three weeks, or 21 days.

Youth tend to the incubating eggs, view the development of embryos, witness the hatching process, and then care for the baby chicks for 2–3 days. Lessons are designed to build student math, science, and language arts skills.

We have several different opportunities for your students to engage with this program.

## Embryology Kits:

Embryology Kits empower and equip educators to develop a unique program specific to their classroom and a flexible lesson plan timeline at an affordable price. All kits must be retrieved from and returned to the CSU Chaffee County Extension office by the teacher/partner. We do deliver for an additional fee. Partners are asked to agree to terms and conditions of the kit rental. We provide you with all the needed equipment (eggs, incubator, brooder box, etc.) and lesson plans to teach on your own.

### ***Embryology for Educators- Standard Kit***

***Price \$30***

For teachers new to embryology or seeking an advanced program, this kit provides everything needed to develop a program specific to each classroom. Standard kit includes digital incubator, brooder (with feed and shavings), candler, 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, market eggs, dissection probes, etc.). Teachers are responsible for egg pick up and chick drop off at the CSU Chaffee County Extension office. Schools are responsible for re-homing chicks. If they are unable to a \$20 re-homing fee will apply. Please note - we can only provide one incubator, additional fees apply.

### **Standard Kit Includes:**

- Digital Incubator
- Brooder
- Candler
- Feed and pine shavings
- Teacher Curriculum Toolkit
- Lesson plan supplies
- Water and Feed Containers
- Additional incubator cost - \$15
- Coordinated egg pick up and chick drop off



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## À la Carte Options:

Does your school already have an incubator or other embryology equipment? Our à la carte options is perfect for teachers and schools who already have experience with embryology and who might already have some of their own equipment. Rent out incubators, brooder equipment, candler lights, etc. Or purchase curriculum, fertilized eggs, dissection supplies and more!



- **Dozen Fertilized Eggs**

**Price \$15**

- Purchase a variety of fertilized eggs from a mix of chicken breeds. You'll receive beautiful blue, green, brown and speckled eggs! Although the eggs are fertilized, we cannot guarantee a successful hatch each time due to outside factors.

- **Incubator**

**Price \$15**

- Rent out a digital incubator. Our incubators have an easy view window perfect for hatch day, temperature adjustment, humidity control, adjustable turning, an adjustable egg tray, and low water alarm. It also comes apart for easy cleaning.

- **Egg Dissection Supplies**

**Price \$5**

- During one our first lesson "Part of an Egg", students learn through a hands-on dissect. Youth dissect bought eggs to explore and visually see the different parts of the egg.

- **Brooder Equipment**

**Price \$15**

- Already have an incubator but need brooder equipment? We've got you covered. Includes a brooder box, wood shavings, heater, food and water containers, and starter feed. Everything to keep your baby chicks happy and healthy while they live in the classroom for several days.

- **Candler**

**Price \$10**

- At day 7 use a candler light to see which eggs are winners, quitters and yolkers. Observe the growing embryo on day 7 and 14 to see growth and more.

- **Embryology Curriculum**

**Price \$15**

- We'll send you all our PowerPoint lessons and more! Pick and choose lessons, or teach them all! Includes supply lists, worksheets, instructions, and warnings when things might get a little messy.



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To make a request for a kit, and learn more about our programs and services contact:

CSU Chaffee County Extension  
185 Quigot Ct.  
Poncha Springs, CO 81242  
(719)-539-6447

Merielle Stamm  
4-H Youth Development Agent  
Merielle.Stamm@colostate.edu  
(719)-221-3789

*Extension Programs are available to all without discrimination. If you need special accommodation(s) to participate in the event listed, please contact Merielle Stamm at Merielle.Stamm@colostate.edu or 719-221-3789. Your request must be submitted at least 10 days in advance of the event.*