



Virtual Embryology Guidelines

Suggested Resource for Teachers

Lancaster County 4-H Video Tutorial (website walk through): <https://unl.box.com/s/sq3qflf57m21hqkj9lb9vyc57useq9o>

Suggested Resources for Students

- **Lancaster County 4-H Embryology Website** (includes links to all resources listed below); <https://lancaster.unl.edu/4h/embryology>
- **Lancaster County 4-H EGG Cam Website** (watch chicks hatch): <https://lancaster.unl.edu/4h/embryology/eggcam>
- **Lancaster County 4-H handout: Embryology At-Home Activities** (includes: Egg Part Identification, Grocery Store Egg Candling, Draw an Embryo Development Timeline and The Floating Egg); <https://lancaster.unl.edu/4h/embryology/EmbryologyAtHomeActivities.pdf>

Suggested Timeline for April 2020

April 6–10 (Start)

- 4-H EGG Cam: chicken eggs will be placed in incubator on Tuesday, April 7
- Students watch Lancaster County 4-H video, “Embryology Initial Classroom Presentation;” <https://mediahub.unl.edu/media/12525>
- Students complete Lancaster County 4-H At-Home Activity, “Egg Part Identification.”

April 13–17

- Students watch Lancaster County 4-H video, “Day 7 Candling Presentation;” <https://mediahub.unl.edu/media/12526>
- Students complete Lancaster County 4-H At-Home Activity, “Grocery Store Egg Candling.”
- 4-H EGG Cam: Day 7 – Livecandling session on Tuesday, April 14 at 1 p.m. (Central Time)

April 20–24

- 4-H EGG Cam: Day 14 — Live candling session available on the 4-H Egg Cam on Tuesday, April 21 at 1 p.m. (Central Time)
- 4-H EGG Cam: Day 18 — Eggs taken off automatic egg turners on Friday, April 24

April 27–May 1

- 4-H EGG Cam: Days 20–21 — Live hatching on April 28–29!

May 4–8

- 4-H EGG Cam: Baby chicks on view through May 8.
- Students complete Lancaster County 4-H At-Home Activity, “Draw an Embryo Development Timeline.” (Could be drawn several places in the timeline: 1-Each day of development throughout process; 2-At the very beginning to learn stages; 3-At the end to serve as a review.)
- Students complete Lancaster County 4-H At-Home Activity, “The Floating Egg.” (This activity would make the most sense as an extra science activity during the last week to learn about buoyancy.)

Optional Resources for Students (can be done throughout project)

- **University of Illinois Extension worksheets: Activities** (includes: Parts of a Chicken, Egg Grading, Science Vocabulary and more); <https://web.extension.illinois.edu/eggs/activities.html>
- **The American Egg Board activity pages and videos: Egg Experiments** (includes: How to Fold an Egg, Strong As an Egg, Egg Geodes, Shrinking and Growing Eggs, and more); <https://www.aeb.org/eggs-in-schools/classroom/activities-eggperiments>
- **American Egg Board: “Egg Reader” digital interactive piece** (read about types of Eggs, “Eggsploring” Food Safety, From the Farm to Your Store, and more); <https://indd.adobe.com/view/74d69475-0027-47d5-9a23-898d3710f896>