**Embryology School Enrichment Program**

This project teaches youth how life develops by observing the process of hatching chicks over a **four-week period**.

**Resource materials include:**

* One dozen to one and a half dozen eggs and an incubator
* Instructions for care of the eggs
* A poster from the University of Nebraska to further explain the stages of embryo growth

**Suggestions of Nebraska College and Career Ready Standards for Science:**

* SC.3.9.3 Gather and analyze data to communicate an understanding of inheritance and variation of traits through life cycles and environmental influences.
* SC.4.6.3 Gather and analyze data to communicate an understanding of structure, function and information processing of living things.
* SC.5.8.2 Gather and analyze data to communicate understanding of matter and energy in organisms and ecosystems.

Sample

* L.A. 3.1.5, L.A. 4.1.5, and L.A. 5.1.5 Students will build and use conversational, academic, and content-specific grade-level vocabulary.
* L.A. 3.2.1, L.A. 4.2.1, and L.A. 5.2.1 Students will apply the writing process to plan, draft, revise, edit, and publish writing using correct spelling, grammar, punctuation, and other conventions of standard English appropriate for grade-level.
* M.A. 3.4.1, M.A. 4.4.1, and M.A. 5.4.2 Students will create displays that represent data.

**Presented in two presentations, with the possibility of four presentations:**

* + Presentation 1 (30 minutes): The presentation introduces the project, sets the eggs, and begins the hatching process. If more than one classroom is participating, it is best to combine them for this presentation.
  + Presentation 2 (20-25 minutes): Approximately 10 days later, the second visit will include candling the eggs, discussing the growth which is occurring, and care of the eggs as they continue to grow and hatch.
  + At the completion of the project, the supplies (cleaned) will be picked up, as well as the chicks if needed. Please let me know ahead of time if you would like to find a home for the chicks.

**These approximate dates are available for this program (please check to see if these dates interfere with your school’s breaks):**

* Set eggs March 6 or March 7; Hatch March 26 or March 27
* Set eggs March 20 or March 21; Hatch April 9 or April 10
* Set eggs April 17 or April 18; Hatch May 7 or May 8

If different dates work better, contact the Extension Office. Everyone will be accommodated as best as possible, schedule and incubator availability permitting.

**Fee for Embryology:**

* $25 per incubator; please indicate how many you would like.
* $10 if you have your own incubator.
* For schools outside of city limits, there will also be a charge for mileage (approximately $0.54/mile)
  + The embryology program normally requires three to four visits. To save mileage, you can eliminate candling the eggs or do it yourself, return the incubator and chicks, or choose to host the incubator without presentations.

**Extension Staff Name, Extension Assistant, Nebraska Extension in \_\_\_\_County**

**Phone number and Email address**