



**University of Illinois Extension 4-H Youth Development
4-H Embryology Teacher Survey 2016
Grades 3-12**

We want to know how well 4-H Embryology works with your class. We are asking you to answer the following questions about the 4-H Embryology Program. It should take about 15 minutes of your time to complete the survey. Thank you for your input in helping to evaluate this program.

Teacher Name: _____

School Name: _____

County Location: _____

How many students did you reach through embryology this year? _____

Grade Level I Teach:

____ 3 rd	____ 6 th	____ 9 th	____ 12 th
____ 4 th	____ 7 th	____ 10 th	
____ 5 th	____ 8 th	____ 11 th	

The number of years I have taught the 4-H Embryology Program:

____ 1 ____ 2 ____ 3 ____ 4 ____ 5+

Did you attend teacher training for Embryology and Incubation provided by U of I Extension?

____ Yes ____ No

Beginning: _____ Indicate location and year: _____

Advanced: _____ Indicate location and year: _____

For the next section, please refer back to the 4-H Life Skills Handout that you received at 4-H Incubation and Embryology Training. The Life Skills were defined and suggestions given as to how they are addressed through the 4-H Embryology Project.

Because of participation in this program, my students were able to demonstrate the following life skills :	2. BEFORE participating in 4-H Embryology, my students were able to:				3. AFTER participating in 4-H Embryology, my students are able to:			
	Circle one number for each statement				Circle one number for each statement			
	Not at all	Some - times	Usually	Always	Not at all	Some - times	Usually	Always
Critical thinking	1	2	3	4	1	2	3	4
Decision-making	1	2	3	4	1	2	3	4
Personal safety	1	2	3	4	1	2	3	4
Healthy lifestyle choices	1	2	3	4	1	2	3	4
Self-responsibility	1	2	3	4	1	2	3	4
Teamwork	1	2	3	4	1	2	3	4
Sharing	1	2	3	4	1	2	3	4
Concern for others	1	2	3	4	1	2	3	4
Cooperation	1	2	3	4	1	2	3	4
Keeping records	1	2	3	4	1	2	3	4

For the next section, please refer back to the 4-H Science Abilities Handout that you received at 4-H Incubation and Embryology Training. The Science Abilities were defined and suggestions given as to how they are addressed through the 4-H Embryology Project.

Because of participation in this program, my students were able to demonstrate the following science abilities :	2. BEFORE participating in 4-H Embryology, my students were able to:				3. AFTER participating in 4-H Embryology, my students are able to:			
	Circle one number for each statement				Circle one number for each statement			
	Not at all	Some - times	Usually	Always	Not at all	Some - times	Usually	Always
Collect data	1	2	3	4	1	2	3	4
Communicate/demonstrate	1	2	3	4	1	2	3	4
Evaluate	1	2	3	4	1	2	3	4
Hypothesize	1	2	3	4	1	2	3	4
Interpret/analyze/reason	1	2	3	4	1	2	3	4
Observe	1	2	3	4	1	2	3	4
Predict	1	2	3	4	1	2	3	4
Problem solve	1	2	3	4	1	2	3	4
Question	1	2	3	4	1	2	3	4
Summarize	1	2	3	4	1	2	3	4

Reflection Questions for Students:

Teacher Instructions: Please ask students to indicate their responses to the following questions with a show of hands and check the corresponding column.

	Less than 50% of participants raise their hands	More than 50% of participants raise their hands
Please raise your hand if you would like to do more activities like this in the future		
Please raise your hand if you like science		
Please raise your hand if you feel you are good at science		
Please raise your hand if you feel science is boring		
Please raise your hand if you feel science is useful for solving everyday problems		
Please raise your hand if you feel science will be important in your future		
Please raise your had if you would like to have a job related to science		

Embryology Project Questions:

How many eggs did you set? _____

How many chicks hatched? _____

Did you candle the eggs? YES NO
 If yes, how many did you candle? How long were the eggs out of the incubator? _____

Did any chicks pip the shell but not hatch? YES How many? _____ NO

Did you open any of the eggs that did not hatch? YES NO

Did you have an automatic egg turner? YES NO
 If no, how time as a day did you turn the eggs? _____

If no, did you turn the eggs on the weekends? YES NO

What was the highest temperature of the incubator while the eggs were set? _____

What was the lowest temperature of the incubator while the eggs were set? _____

Did you keep water in the incubator while the eggs were set? YES NO

Please share a success story (ies):

Based on your experience with this project, would you do it again next year? YES NO
Please explain your answer. _____

Thank You! Please return this to your county Extension Office when you have completed the 4-H Embryology Program for 2016. You may also complete this survey by going to URL:
<https://www.surveymonkey.com/r/emb2016U>

Adapted from an evaluation instrument developed by the University of Florida Extension 4-H.



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