**Important Dates**

March 22 — incubator orders due

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**Automatic Egg Turners**

Turning the eggs may be done by-hand or with an automatic egg turner. All you have to do is plug it in. At day 18 eggs are removed from the turner. Using a turner ensures that eggs are turned on the weekends when going to school may not be possible. The turner capacity is 42 chicken eggs.

**Workshop**

New program participants and those who would like a refresher are encouraged to attend the mid-April workshop to become familiar with the materials, curriculum and to ask questions. Check the registration form and list of Dates to Remember for exact date, location, and time. Please pre-register.

**Feeding Baby Chicks:**

Many educators have indicated that they are not able to purchase feed in small quantities. So, this year we are including a five pound bag of Chick Starter with each order.

**What Type of Chickens are they?**

The egg layers are brown egg layer (Rhode Island Red x White Rock) and the meat birds are a Cornish Cross type, a fast growing commercial meat bird.

**What Happens to the Chicks?**

Some educators find people who want to raise the chicks and others are returned. The returned chicks are then raised by 4-H youth or families for either meat or egg production. If you are planning to return chicks please choose meat type birds. **Please note:** Chicks may only be returned on the date listed on the program calendar. There are no exceptions!

**How do I participate?**

Refer to the enclosed price sheet that lists available packages and the prices. Select your desired item(s) and mail the completed form with payment or school Purchase Order form to:

**University of Vermont Extension**  
Attn: Embryology  
278 South Main St. Suite 2  
St. Albans VT 05478

Complete the student information sheet. Your order will not be processed without this completed form. If no forms are with this brochure contact Martha Edwards Manning at 802-524-6501 ext 449 or Martha.manning@uvm.edu.

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**New for 2013**

Please Note:

We will be using a new supplier for our fertile layer eggs—due to this change egg orders are due earlier than in previous years. Please pay careful attention to due dates this year.
What is 4-H?

4-H programs are fun! The basic philosophy behind 4-H is that educational opportunities delivered through a variety of methods can be a valued addition to a young person’s learning process. 4-H programs are cooperatively developed in partnership with the United States Department of Agriculture, University of Vermont, and other land-grant colleges across the country and local community partners.

4-H activities are well known for being hands-on activities that teach life skills through the experiential learning model. Embryology also includes the teaching of science skills.

Embryology:

4-H Embryology is a program of University of Vermont Extension in partnership with educators throughout Vermont. Students have the opportunity to learn through hands-on activities to investigate the life cycle from a fertile egg to a fully developed chick. The program is delivered over four weeks. We offer either fertile meat type or layer eggs. Meat birds are a commercial Cornish Cross type bird. Layers are a brown egg layer, Rhode Island Red x White Rock. Please remember if ordering layers that approximately half the chicks will be MALE.

Starting with the setting of the fertile eggs and concluding with having the hatched chicks in the classroom for a few days after the hatch—Embryology is an exciting program that engages students of all ages.

Incubators:

The incubators that we sell to educators are well suited to the classroom setting. They do require a stable room temperature and are not suitable for using in sheds or barns. This incubator retails for over $130 but is available through this program at a reduced cost.

Incubator features:
- Genesis1588 HOVA-BATOR
- Large viewing window for observation
- Circulated air for increased hatch rates
- Pre-set thermostat for bird eggs
- Capacity for up to 50 chicken eggs
- Automatic egg turners fit in easily—but reduce capacity to 42 eggs
- Easy to clean and store for future use

Curriculum Materials:

Chick Quest is a classroom journey through the life cycle of chickens. Part of the Ohio State University Extension Science Alive series. Chick Quest contains a Teacher Guide and a student logbook. This is an excellent curriculum. Also included is a CD with many additional activities and resources for educators and youth.
2013 4-H EMBRYOLOGY
DATES TO REMEMBER

March 18  Incubator orders due
March 29  Orders for eggs and other materials due
April 11  4-5:30 pm Burlington  Workshop at UVM Extension Office 655 Spear St., Burlington – on the right, just past UVM Horse/Dairy Barn
April 29th  MONDAY  Egg Pick-up- Burlington, Berlin, Morrisville, St. Albans, Middlebury, Rutland, Brattleboro  exact time will be sent with confirmation e-mail
April 30th  Set All Eggs – this is day zero
May 4/May 5  Eggs must be turned on the weekend
May 11, 12  Eggs must be turned on the weekend
May 17th  Last day to turn eggs
May 21  Hatch Date
May 24  ONE DAY ONLY Chick Return – this is the only day to return  chicks at Burlington or St. Albans Extension offices  If you need help finding homes for your chicks please let us know prior to May 10th

If you have questions or need further information please call Martha Edwards Manning at UVM Extension – St. Albans office (802) 524-6501 or at home (802) 827-3913 or contact me at martha.manning@uvm.edu.  If you are not able to reach Martha please leave a message at the St. Albans Extension office.
2013 EMBRYOLOGY PRICE SHEET

**Incubator Orders Due March 18, 2013**

Egg and other item Orders Due March 29, 2013

MB1—Starter Meat Bird Package - $200.00

Includes:

1. Electronically pre-set circulated air incubator
2. Automatic Egg Turner—capacity 42 chicken eggs
3. 2 dozen fertile MEAT BIRD eggs
4. 1 Chick Quest Science Alive Teachers Guide
5. 1 Chick Quest Student Log book
6. 5 pound bag Chick Starter poultry feed (limited supply available – order early)

MB1 _____ @ $200.00 each = ________

MB2—Meat Bird Package - $65.00

Includes:

2. 2 dozen fertile MEAT BIRD eggs
3. 1 Chick Quest Science Alive Teachers Guide
4. 1 Chick Quest Student Log book
5. 5 pound bag Chick Starter poultry feed (limited supply available – order early)

MB2 _____ @ $65.00 each = ________

LB1—Starter Layer Bird Package - $225.00

Includes:

1. Electronically pre-set circulated air incubator
2. Automatic Egg Turner—capacity 42 chicken eggs
3. 2 dozen fertile White Leghorn LAYER BIRD eggs
4. 1 Chick Quest Science Alive Teachers Guide
5. 1 Chick Quest Student Log book
6. 5 pound bag Chick Starter poultry feed (limited supply available – order early)

LB1 _____ @ $225.00 each = ________

LB2—Layer Bird Package - $80.00

Includes:

2. 2 dozen fertile White Leghorn LAYER BIRD eggs
3. 1 Chick Quest Science Alive Teachers Guide
4. 1 Chick Quest Student Log book
5. 5 pound bag Chick Starter poultry feed (limited supply available – order early)

LB2 _____ @ $80.00 each = ________

Individually priced items:

- Electronically Pre-set circulated air incubator $125.00 @ $125 each ________
- Automatic Egg Turner $43 @ $43 each ________
- Additional dozens MEAT BIRD fertile eggs $26/dozen @ $26/doz. ________
- Additional dozens LAYER BIRD fertile eggs $32/dozen @ $32/doz. ________
- Cool Light Candling light $12 @ $12 each ________
- Extra Student Logbook $6.50 @ $5.00 ea. ________
- Student Logbooks (Set of 25) $50 sets @ $50 ________
- Extra Chick Quest Science Alive Teacher Guides $35 @ $35 each ________
- Digital hygrometer $20 @ $20 each ________

TOTAL AMOUNT OF ORDER ________

Make checks payable to UVM Extension, Embryology - we accept school purchase orders. If using a purchase order – please send PO with our registration and order forms.

If you plan to return the chicks - please order meat birds.
### Vermont 4-H Youth Group Enrollment Form

*Program Type: X Project  *Date Completed: 5 / 24 / 13  

*Name of Program: Embryology 2013 *Event Description: Embryology School Enrichment

Teachers Name:_________________________ Email:_________________________

School:________________________________ Address:_________________________

City/State/Zip:___________________________ *County:_________________________

*Estimate total hours spent on this project: __________

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<th>Total Participants</th>
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*Indicates required information to be completed.*
Embryology 2013

Deadline to order: Incubators – March 18, 2013    Eggs – March 29, 2013
There will be no refunds after March 29, 2013

Name of School / Participant: __________________________________________________________
Name of Teacher(s)/Instructor(s): ______________________________________________________
County where program will be presented: _______________________, E-mail Address: __________________________

Please send future correspondence this year by e-mail (order confirmation, reminders, etc) ___ yes ___ no
I plan to attend the following workshop:
April 11, 4:00 pm at the UVM Extension Office 655 Spear St., Burlington, VT ___ Yes ___ No

I will pick up my eggs on
Monday, April 29, 2013

____ Berlin Extension Office 10:00 – 4:00 pm
____ Brattleboro Extension Office 2:00–4:00 pm
____ Burlington Extension Office 10:00 – 4:00 pm
____ Middlebury Extension Office 1:30 – 4:00 pm
____ Morrisville Extension Office 2:00 – 4:00 pm
____ Rutland Extension Office 1:00 – 4:00 pm
____ St. Albans Extension Office 12:00 – 4:00 pm

**Additional pick-up locations may be added if there is increased participation. Call Elaine at 802-524-6501 if you are interested in another location.

I plan to return the hatched chicks on May 24th ___ yes ___ no  Chicks may be returned between 12:00 noon and 4:00 pm ONLY!! I understand that this is the only time and date that I may return chicks.

**Please order meat chicks if you are planning to return the chicks.

Please indicate the site where you plan to return your chicks: ___ St. Albans ___ Burlington

The Embryology Youth & Adult Participation form must be completed before we can process your order.

Egg Set  All eggs should be set on Tuesday, April 30th remember this counts as Day zero – Day 1 is twenty-four hours later.
Turning  Eggs must be turned on the first and second weekends (May 4/5 AND May 11/12) to ensure proper development. An automatic turner is another option. Eggs must be removed from the automatic egg turner on May 17th.

All checks must be made payable to UVM Extension Embryology