

TAPLINE

STONEWALL FARM'S SCHOOL PROGRAM GUIDE
 2011-2012 SCHOOL YEAR

INTRODUCTION

Stonewall Farm school programs use our organic dairy, gardens, greenhouses, trails and natural areas to bring agriculture and natural science concepts to life. We align all our programs to NH and VT standards to help you meet your education goals.

STRETCHING YOUR DOLLAR

Starting this year—we can come to you! This is a great cost savings - no buses to hire and large group auditorium presentations are an option. We bring live farm animals, interactive presentations and pre and post activities. Details are inside, or call 603-357-7278, or e-mail santel@stonewallfarm.org.

COMMUNITY IMPACT

At our farm, or at your school, large groups or single classes, our experienced education staff makes learning effective, and fun. Because we are part of your community, and open year round, students and their families and friends can return to the farm to pass their knowledge forward—a farm program can have a broader impact than the classroom alone.

Don't see what you need this school year? Call us to discuss custom or homeschool programs. We're here to bring your agriculture and natural science topics to life!

PROGRAMS AT A GLANCE

(See inside for program details)

FARM ANIMALS

Learn about the biology and care of sheep, llamas, ducks, chickens, rabbits and cows, and the products they provide.

FARM TO TABLE

Discover the roots of our food system—harvest from our garden, bake bread from scratch, milk a cow.

FALL HARVEST

Learn the pumpkin life cycle, make apple cider and enjoy a hayride.

WETLAND WILDLIFE

Students become scientists and record observations of wetland life, and their adaptations.

GREENHOUSE PHYSICS

Experience the physics of our greenhouse—reflection, absorption, convection, conduction and more. Includes a post-program visit by staff to your classroom.

MAPLE SUGARIN'

Learn maple tree biology and sugarin' history, how to tap trees and boil sap into syrup, visit our sugar house, and take a sugar bush hay ride.

OUTREACH PROGRAMS

We can come to you with agriculture and natural science programs, highlighted with live farm animals, interactive presentations, and pre and post activities. See inside for details.



Field Trip Registration & Information

REGISTRATION

To schedule a field trip please contact Sarah at 603-357-7278 or santel@stonewallfarm.org.

LUNCH

If you need space for lunch before or after the program please let us know.

MINIMUM AND MAXIMUM GROUP SIZES

There is a 12 student minimum, If your group is less than 12 ask about joining another class. If your group is larger than the group size listed inside, please ask if we can accommodate the larger group.

ALLERGIES

Many of our programs involve food items and animals. **If you have students with any allergy concerns please let us know before the day of the trip** so we can modify the program.

APPROPRIATE CLOTHING

Please make sure students are dressed for the season, the day's weather, and with sturdy closed-toe shoes. Sandals and dress shoes are not safe.

NAME TAGS

Please provide students with name tags large enough for our instructors to see.

ALTERNATIVE PROGRAMMING

Have an idea for a field trip? We're happy to work with you to create custom programs. Working on a tight budget? Ask about our Outreach Programs. When we come to you it can save on transportation costs and travel time.



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FARM ANIMALS

Visit our farm animals and learn about their biology, daily care, and how they earn their keep by providing specific products or services. Get up close and personal with our sheep, llama (take him for a walk), ducks, chickens, rabbits, cows (try your hand at milking) and horses. Finish your visit with a hayride, pulled by our Belgian draft horses.

State Standards: NHB1; NHB3; NHC1; NHC3. VTC; VTRP; VTP; VTSR; VTL1; VTL2

Grade Levels: K-6

Booking Dates: September - June

Group Size: Up to 40

Length: 2 hours

Fee: \$7/child

WETLAND WILDLIFE

Students are the scientists, collecting and recording information on our wetland wildlife. This natural science exploration helps students understand the concepts of life cycles, habitat and adaptations, while learning how to observe wildlife respectfully.

State Standards: NHB1; NHB2; NHD1; NHD3; NHD4. VTC; VTRP; VTP; VTL1; VTL2

Grade Levels: 2 - 6

Booking Dates: May - June

Group Size: Up to 20

Length: 2 hours

Fee: \$6/child

STATE STANDARDS CODE

NH: NEW HAMPSHIRE	2: Reading Connection 3: Informational Writing 4: Writing Conventions 5: Oral Communication
A: Mathematics	
1: Numbers & Operations	
2: Data, Statistics, & Probability	
3: Problem Solving, Reasoning, & Proof	
4: Communications, Connections, Representations	
B: Science	
1: Science Process Skills	
2: Earth, Space Science	
3: Life Science	
4: Physical Science	
C: Social Studies	
1: Economics	
2: Geology	
3: World History	
4: History	
D: Written & Oral Communication	
1: Structures of Language	

VT: VERMONT	
H: History & Social Sciences	
S: Science, Math. & Technology	
C: Communication	
RP: Reasoning and Probability	
P: Personal Development	
SR: Civic/ Social Responsibility	
E: Expression	
N: Notation & Representation	
R: Research	
Q: Questioning & Problem Solving	
A: Arts, Language, & Literature	
L: Learning Opportunities	
1: Access	
2: Best Practices	
Contact us for more information on standards.	

FARM TO TABLE

Bring students back to the roots of our food system and food production while learning good eating habits. Harvest from the garden or greenhouse, milk a cow, collect eggs, make butter, and bake bread from scratch. End the experience with a light meal of bread and in-season veggies.

State Standards: NHB1; NHB2. VTC; VTRP; VTP; VTH; VTL1; VTL2

Grade Levels: K-6

Booking Dates: Sept. - November, May - June

Group Size: Up to 30

Length: 4 hours

Fee: \$10/child

GREENHOUSE PHYSICS

Visit our unique dome shaped greenhouse that uses basic physics principles to grow plants year round. Students experience the concepts of absorption, reflection, convection, conduction and more. **OPTIONAL:** Farm staff propose follow up group projects and visit your school to assist and assess the results.

State Standards: NHB1; NHB2; NHB3; NHA3; NHA4; NHD5. VTE; VTN; VTR; VTQ; VTL1; VTL2

Grade Levels: 3 - 6

Booking Dates: January - February

Group Size: Up to 25

Length: 2.5 hours

Fee: \$8/child; with optional school visit, \$10/child

FALL HARVEST

Experience the farm in the fall while learning about plant biology and history. Students help "pollinate" some giant pumpkin flowers, and meet the Great Pumpkin. Then learn about apples while using our antique cider press to make a healthy treat. Wrap up the lesson with a hayride to see the fall colors in the woods and fields.

State Standards: NHB1; NHB3; NHB4. VTC; VTRP; VTP; VTSR; VTL1; VTL2

Grade Levels: PreK - 3

Booking Dates: October

Group Size: Up to 60

Length: 1.5 hours

Fee: \$7/child

MAPLE SUGARIN'

Take part in the New England tradition that welcomes back spring. Learn the biology and natural history of maple trees, the history of sugarin', tap a tree and boil some sap. Visit our sugar house and try some sugar on snow. Top it off with a hay ride through the sugar bush.

State Standards: NHA1; NHA2; NHB1; NHB2; NHC1; NHC2; NHC3. VTC; VTRP; VTP; VTL1; VTL2

Grade Levels: K - 6

Booking Dates: March

Group Size: Up to 60

Length: 2 hours

Fee: \$7/child

OUTREACH PROGRAMS

There are a variety of farm themes that supplement state education standards. We provide pre and post activities relevant to the theme. Below is a condensed list. Please contact us for details (santel@stonewallfarm.org or 603-357-7278).

Farm Animal Adaptations (State Standards: NHB1; NHB3; NHC1; NHC3. VTC; VTRP; VTP; VTL1; VTL2)

Live farm animals and activities illustrate physiology, habitat, nutrition, behavior, and genetics.

New England History (State Standards: NHC4; NHC3; NHC2. VTC; VTRP; VTP; VTSR; VTH; VTL1; VTL2)

Agriculture from Native Americans to the heyday of New England farms is brought to life with activities, live animals and a farm treat.

Soil Science (State Standards: NHB1; NHA1; NHC2; NHD3; NHD4. VTC; VTRP; VTP; VTSR; VTA; VTS; VTL1; VTL2)

Indoor and outdoor program that helps students learn environmental conservation, geology and soil formation, and the organisms that live under our feet.

State Standards: See above

Grade Levels: PreK - 12

Booking Dates: September-June

Group Size: One classroom to auditorium size

Length: 1.5 hours

Fee: \$6/child plus mileage

CUSTOM PROGRAMS

We can design custom programs for your group. You can choose from a large number of activities. Below is a condensed list. Please contact us for details (santel@stonewallfarm.org or 603-357-7278).

Tree ID, dairy tour/milking, butter making, rope making, wool crafts, hayride/sleighride, plant a seed, leaf pounding, cider making, soil science, snowshoeing, insulation experiments, tracking, greenhouse tour, insect investigations, maple sugaring, pond/stream exploration ... and more!

State Standards: Varies

Grade Levels: PreK - 12

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- 4: Physical Science

C: Social Studies

- 1: Economics
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- 3: World History
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D: Written & Oral

Communication

- 1: Structures of Language

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