

# Standards & Grade Expectations

## Shelburne Farms School Programs



### GRADES 4-6

#### Wetland Ecosystem Investigation

**STANDARDS:** Analysis, 7.11; Organisms, Evolution, and Interdependence, 7.13; Understanding Place, 4.6

**S3-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 46(a,b); 49(a,b)

**S5-6 GE'S:** 30(a); 33(a); 34(a,b); 35(a); 36(a); 37(a); 39(a); 48(a); 49(a)

#### Stories in Stone

**STANDARDS:** Natural Resources, 7.16; Scientific Method, 7.1; Theories, Systems, and Forces, 7.15; Investigation, 7.2; Application, 2.6; Understanding Place, 4.6

**S3-4 GE'S:** 3(a,c); 4(a,b); 5; 6; 7; 8; 35(a,b); 36(a); 46(a,b,c,d); 47(a); 48(a,b); 49(a,b)

**S5-6 GE'S:** 3; 4(a); 5; 6; 7; 8; (34(a); 35(a); 36(a); 39(a); 46(a,b); 47(a,b,c); 48(a); 49(a)

#### Don't Hibernate — Hike!

**STANDARDS:** Problem Solving Process, 2.2; Application, 2.6; Information, 2.7; Taking Risks, 2.8; Persevering, 2.9; Fluency, 2.10; Flexibility, 2.12; Informed Decisions, 3.7; Relationships, 3.10 - 3.13; Geography, 6.7

**S3-4 GE'S:** 30(a); 34(a); 41(a); 48(a); 49(a,b)

**S5-6 GE'S:** 33(a); 34(a,b); 39(a); 41(a,b); 49(a)

#### Sugaring by the Numbers

**STANDARDS:** Arithmetic, Number, and Operation Concepts 7.6; Roles and Responsibilities 7.5; Natural Resources 7.16; Understanding Place, 4.6

**S3-4 GE'S:** 30(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 48(a,d); 49(a,b)

**S5-6 GE'S:** 14(a); 34(a); 36(a); 39(a); 48(a); 49(a,b)

#### Simple Machines on the Farm

**STANDARDS:** Questioning/Problem Solving, 2.1, 2.2; Sustainability, 3.9; Understanding Place, 4.6; Inquiry, Experimentation & Theory, 7.1-7.2; History of Science, Mathematics, and Technology, 7.4; Matter, Motion, Forces, and Energy, 7.12; Organisms, Evolution, and Interdependence, 7.13; Design and Technology; Outputs and Impacts, 7.18; Design and Technology; Designing Solutions, 7.19

**S3-4 GE'S:** 1, 2, 21(a,b)

**S5-6 GE'S:** 1; 2; 21(a,b,c); 22(a,b)

#### Farmer for a Day

**STANDARDS:** Natural Resources, 7.16; Sustainability, 3.9; Understanding Place, 4.6

**S3-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 39(a); 46(a); 49(a,b)

**S5-6 GE'S:** 34(a,b); 35(a); 36(a); 37(a); 39(a); 49(a)

The standards, grade expectations (GE) and science concepts most comprehensively addressed by individual programs are listed below (and on reverse). The grade expectations' concepts are listed in parentheses.

All of our school programs address the following Standards:

- Clarification & Restatement, 1.13
- Speaking, 1.15
- Types of Questions, 2.1
- Approach, 2.6 & 2.7
- Sustainability, 3.9
- Understanding Place, 4.6
- Organisms, Evolution, & Interdependence, 7.13
- Natural Resources and Agriculture, 7.16

All school programs also address the Inquiry Grade Expectation:

- 1: Scientific Questioning
- 2: Predicting & Hypothesizing

# Standards & Grade Expectations for Shelburne Farms School Programs



**S**helburne Farms links Vermont's Framework of Standards and Learning Opportunities to our school programs to assist educators in addressing these standards through their curricula. School programs also work to address the science grade expectations and the concurrent science concepts.

**The standards, grade expectations (GE) and science concepts most comprehensively addressed by individual programs are listed below (and on reverse). The grade expectations' concepts are listed in parentheses.**

## GRADES K-3

### From the Farm to You

**STANDARDS:** Natural Resources, 7.16; Sustainability, 3.9; Understanding Place, 4.6  
**51-2 GE'S:** 31(a); 34(a); 35(a); 41(a,b); 47(a); 49(a)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 41(a); 49(a,b)

### Fall Forest Discoveries

**STANDARDS:** Organisms, Evolution, & Interdependence, 7.13; Understanding Place, 4.6; Investigation, 7.2  
**51-2 GE'S:** 31(a); 34(a); 35(a); 39(a); 47(a); 48(a,b); 49(a)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 46(a); 49(a,b)

### Farm Life and History

**STANDARDS:** Historical Connections, 6.4; Being a Historian, 6.5  
**51-2 GE'S:** 35(a); 41(a,b,c); 47(a); 49(a)  
**53-4 GE'S:** 30(a); 34(a); 35(a,b); 36(a); 49(a,b)

### Active in Winter

**STANDARDS:** Problem Solving Process, 2.2; Types of Problems, 2.3; Organisms, Evolution, & Interdependence, 7.13  
**51-2 GE'S:** 35(a); 39(a); 41(a,b,c); 47(a); 48(a,b); 49(a)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a)

### Sugaring Time

**STANDARDS:** Historical Connection, 6.4; Roles and Responsibilities, 7.5; Natural Resources, 7.16; Understanding Place, 4.6  
**51-2 GE'S:** 35(a); 47(a); 48(a,b); 49(a)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 48(a,b,c,d); 49(a,b)

### Join the Flock

**STANDARDS:** Visual Arts, 5.29-5.30; Natural Resources, 7.16; Understanding Place, 4.6; Sustainability, 3.9  
**51-2 GE'S:** 9(a,b); 31(a,b); 35(a); 47(a); 48(a,b); 49(a)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 49(a,b)

### Super Soil

**STANDARDS:** Investigation, 7.2; Theories, Systems and Forces, 7.15  
**51-2 GE'S:** 34(a); 35(a); 46(a,b); 47(a); 48(a,b); 49(a)  
**53-4 GE'S:** 30(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 46(a,b,c); 47(a); 48(a,b); 49(a,b)

### Milk and More

**STANDARDS:** Sustainability, 3.9; Understanding Place, 4.6  
**51-2 GE'S:** 31(a); 34(a); 35(a); 48(a,b); 49(a,b)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 49(a,b)

### Pond Life Cycles & Adaptations

**STANDARDS:** Organisms, Evolution, and Interdependence, 7.13; Problem Solving Process, 2.2; Understanding Place, 4.6  
**51-2 GE'S:** 31(a); 34(a); 35(a); 39(a); 47(a); 48(a,b); 49(a)  
**53-4 GE'S:** 30(a); 31(a); 34(a); 35(a,b); 36(a); 38(a); 39(a); 49(a,b)

**All of our school programs address the following Standards:**

- Clarification & Restatement, 1.13
- Speaking, 1.15
- Types of Questions, 2.1
- Approach, 2.6 & 2.7
- Sustainability, 3.9
- Understanding Place, 4.6
- Organisms, Evolution, & Interdependence, 7.13
- Natural Resources and Agriculture, 7.16

**All school programs also address the Inquiry Grade Expectation:**

- 1: Scientific Questioning
- 2: Predicting & Hypothesizing