

## Connections between Science, Scope, and Sequence and New York Agriculture in the Classroom Lessons

### Pre-K – 2<sup>nd</sup>

#### - Senses

- [A is for Apples](#)
- [A Taste of Leafy Greens](#)
- [Supreme Seeds](#)
- [Sorghum at School: Learn, Grow, Pop, Taste](#)
- [Exploring Texture in the Garden](#)
- [Texturing: The Big Picture](#)
- [The Soil We Grow In](#)

#### - Animals

- [Animals on the Farm](#)
- [Farm Animal Life Cycles](#)
- [From Chicken Little to Chicken Big](#)
- [Survival of the Fittest: Comparing the Needs of Humans and Cows](#)
- [Pigs on the Farm](#)

#### - Plants

- [Crops on the Farm](#)
- [Dig Em Up](#)
- [My Little Seed House and Seed Book](#)
- [How Does Your Garden Grow?](#)
- [Farming in a Glove](#)
- [People and Plants Need Nutrients](#)

#### - The environment and weather

- [Four Seasons on a Farm](#)
- [A Walnut Orchard Through the Seasons](#)

#### - Force and motion

- [Made to Move](#)

#### - Transportation and machines

- [Machines on the Farm](#)
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### 3<sup>rd</sup> – 5<sup>th</sup>

#### - Inheritance and variation

- [Roll of the Genes](#)

- [Apple Science: Comparing Apples and Onions](#)
- [Build-a-Calf Workshop](#)
- [Inherited Traits in the Living Corn Necklace](#)
- [Paint's Family Tree](#)
- [Peas in a Pod](#)
- [Rock, Paper, Scissors: Dominant and Recessive Traits](#)
- [Sheep See, Sheep Do](#)
- [Wheat Germ DNA](#)

- Structure and functions of organisms

- [Peaches: Whats All the Fuzz About?](#)
- [Plant-Soil Interactions](#)
- [Significant Surroundings](#)
- [Tropism Twist](#)

- Physical and chemical changes

- [The Chemistry of Fruits and Vegetables](#)
- [Pancakes!](#)
- [Whipping Butter into Shape](#)
- [FoodMASTER: Vegetables](#)
- [Preserving the Powerful Pepper](#)

- Matter and energy in ecosystems

- [Energy's Journey from Farm to You](#)
- [Soil Texture and Water Percolation](#)
- [Water Supply](#)
- [What's in Soil?](#)
- [Natural and Managed Ecosystems](#)

- Lifecycles

- [A Rafter of Turkeys](#)
- [From Chicken Little to Chicken Big](#)
- [Hatching Science with Classroom Chicks](#)
- [Science and Poetry with Almonds](#)
- [Honey Bees: A Pollination Simulation](#)
- [Discover Christmas Trees](#)

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6<sup>th</sup> – 8<sup>th</sup>

- Electricity

- [Hen House Engineering](#)

- Climate

- [Climate Change Phenomena: Bananas in Our Breadbasket?](#)
- [Geography and Climate for Agricultural Landscapes](#)
- [Growing America](#)

- Human impact on climate

- [Fertilizers and the Environment](#)
- [Learn, Protect, and Promote Water!](#)

- Matter

- [FoodMASTER Middle: Cheese](#)
- [FoodMASTER Middle: Eggs](#)
- [FoodMASTER Middle: Fats and Oils](#)
- [FoodMASTER Middle: Weights and Measures](#)
- [FoodMASTER Middle: Food Safety](#)

Structures of Life

- [Good Guys or Bad Guys?](#)
- [Microbes - They're Everywhere!](#)
- [FoodMASTER Middle: Protein](#)
- [FoodMASTER Middle: Yogurt](#)
- [Fungi Multiplication](#)
- [Multiple Lessons Available](#)

- Ecosystems

- [Multiple Lessons Available](#)
- [Photosynthesis: Energy's Journey From Farm to You](#)
- [Crop Case Files: Dichotomous Keys](#)

- Engineering design

- [Aeroponic Engineering and Vertical Farming](#)
- [Increasing Food Production with Precision Agriculture](#)
- [Robots Wanted!](#)
- [What? No Soil?](#)
- [Think in Pictures: Like Dr. Grandin](#)

- Evolution in Technology

- [Journey 2050 Lesson 7: Technology and Innovations](#)
- [A Recipe for Genetics: Selective Breeding and Bioengineering](#)
- [Science You Can Eat](#)
- [High-Tech Farming](#)
- [Energy and Biofuels](#)