GARDEN-BASED LEARNING
RETHINKING STEAM EDUCATION

PROJECT TIMELINE

- **YEAR ONE—PLANNING**: hire coordinator, establish advisory board, assess levels of feasibility
- **YEAR TWO—IMPLEMENTATION**: procure local foods, incorporate program into classroom.

CORE SUBJECT EXAMPLES

**LANGUAGE ARTS**
- Producing short pieces of writing (garden journals)
- Using material from other media (charts, graphs, photos, artwork) to enhance writing
- Reading and understanding written instructions and information

**MATH**
- Systematically measuring, collecting data, analyzing, charting, & graphing
- Estimating, predicting results and determining probability
- Problem solving with concrete experiences

**SCIENCE**
- Water-retention characteristics of soil types
- Photosynthesis, growth and change in plants
- Photosynthesis

**SOCIAL STUDIES**
- Heritage, traditions and celebrations
- Pioneer life and aboriginal people
- Uses of plants in early times (e.g., medicine)

**ART**
- Utilizing plant materials in a painting or sculpture (e.g., plant dyes, gourd painting)
- Creating art pieces for a garden
- Time-lapse photography

RESOURCES TO USE

- Cornell Seed to Salad
- Ag in the Classroom
- Harvest of the Month Program
- National Farm to School Network
- Growing Minds
- Edible School Yard
- Kids Gardening

THE 3 C'S OF FARM-TO-SCHOOL

COMMUNITY—CLASSROOM—CAFETERIA

THE CONTACT

Interested in creating garden-based curricula? Cornell Cooperative Extension’s Farm-to-School Coordinator can work with you on an individual basis to fit the needs of the learning objectives for your content area.

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