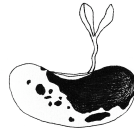


## Brickyard Educational Farm



### Vegetable Garden Lesson- Grade 1

Objective: Students will learn be able to identify the five parts of a plant and will learn the plant life cycle by observing and working with multiple plants in different growing stages.

*Social Studies (Voluntary State Curriculum, couldn't find CC for grade 1)*

Social Studies 1: (2.0) Peoples of the Nation and World **B** (1) a. Explain how the three sisters planting technique is borrowed from Native American Cultures. *(Recognize that individuals and groups share and borrow from other cultures)*

Social Studies 1: (3.0) Geography **D** (1) a. How people have cleared and tilled land in order to grow food. *(Describe how people in a community modify their environment to meet changing needs for shelter, such as learning land for a housing community)*

Social Studies 1: (4.0) Economics **A** (2) a. Explain what human resources it takes to make cornmeal for cornbread. *(Give examples of natural and human resources used in production).*

Social Studies 1: (4.0) Economics **B** (1) b. Explain all the places vegetables are sold in the community. *(Identify markets in the local community, such as as grocery stores, farmer' markets and fast food restaurants).*

*Science*

Science 1: (1.0) Skills and Processes **A** (1) a/b/c. Students will use all five senses, and use tools such as magnifying glasses, to make observations and ask questions about the garden.

Science 1: (1.0) Skills and Processes **A** (1) g. Calculate number of acres. Use measuring tape to plant transplants at one foot, and half foot intervals. Calculate how many plants are needed per bed. *(Use whole numbers*

*and simple, everyday fractions in ordering, counting, identifying, measuring, and describing things and experiences).*

Science Grade 1: (1.0) Skills and Processes **C** (1) a/b.

Describe what they have discovered in the garden, and describe it as accurately as possible using texture, size, weight, number, and compare with others. *(Describe things as accurately as possible and compare observations with those of others. Describe and compare things in terms of number, shape, texture, size, weight, color, and motion).*

Science 1: (2.0) Earth/Space Science **D** (2) a.

Orient to the South, and explain benefits of a southern exposure for soil temperature and plant growth. *(Identify ways that the sun affects the earth including that the sun warms the earth and provides light).*

Science 1: (2.0) Earth/Space Science **E** (2) d.

Explain why the weather is appropriate and dictating what activity we are doing in the garden. (Wet soil, pulling weeds etc). *(Identify the impact of weather changes on daily activities)*

#### *Environmental Literacy Standards:*

- 1.A.4 – Use tools such as thermometers, magnifiers, rulers, or balances to gather data.
- 4.B.1 – Describe ways that animals and plants interact with each other. (Bugs pollinating flowers, ladybugs eating aphids, parasitic wasps killing pests).
- 4.E.1 - Observe a variety of familiar plants and animals to describe how they are alike and how they are different. (Compare how different vegetables are alike and different. Explain that there are differences among individual vegetables even of the same variety).
- 6.B.1 – Identify ways people change their environment. (Clearing land for farming)
- 7.B.1 - Describe why and how people protect the environment. (Why and how the garden is organically managed with the use of synthetic pesticides and fertilizers)