

**DATE:** August 16, 2001  
**TIME:** 60 minutes

**GROUP:** K-4  
**ACTIVITY:** Hayride Tour of Vegetable Production

**BUTTERHOFS SHADY BROOK FARM  
SAMPLE LESSON PLAN**

**SUBJECT:** Vegetable Production and Marketing

**LESSON SUMMARY:** Vegetables are an important part of each person's diet. Students will gain a foundation and basic understanding of the growing and management practices necessary to achieve optimum vegetable production.

**OBJECTIVES:**

- To gain familiarity with large number of vegetable kinds and varieties.
- To introduce students to the fundamentals of weed, disease and pest management.
- The students will know how to properly select quality fresh vegetables.
- Students will learn what tasks a vegetable farm must perform to produce and market a quality vegetable crop

TOPIC	DISCUSSION ACTIVITIES	TIME
FARM & MARKET LOCATION	New Jersey Agriculture Atlantic County Agriculture History of the Farm Farm Equipment Safety during the lesson	10 minutes
VEGETABLE KINDS & VARIETIES	Kind of Vegetables Grown Varieties of Vegetables Grown	10 minutes
PLANTING	Soil Conservation Soil Preparation Planting Date for Crops Seeds and Plants Location and Rotation of Crops	10 minutes
MANAGEMENT	Water Usage Irrigation Practices Weed Identification and Control Insect & Disease Control Bees and Pollination Wildlife	10 minutes
HARVEST & MARKETING	When to Harvest How to Harvest Washing Grading Different Size Containers Pricing & Selling	10 minutes
WRAP UP	Discussion & Questions	10 minutes

**EXERCISE:**

1. List the various vegetables seen.
2. Discuss what factors will influence the variety of vegetables planted and sold.
3. Discuss why water is important for vegetable production.
4. Discuss how wildlife can be controlled.
5. What is the difference between retail and wholesale?

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#### ***RESOURCES:***

Arizona Cooperative Extension - Seed for the Garden

<http://ag.arizona.edu/pubs/garden/mg/vegetable/seed.html>

\*\* Oregon State University Extension - Choose disease-resistant varieties for orchard and garden

<http://eesc.orst.edu/agcomwebfile/garden/Gardening/diseaseresistant.html>

\*\* Virginia Cooperative Extension - Designing a Successful Vegetable Garden

<http://www.ext.vt.edu/news/releases/050498/dsgnsucc.html>

\*\* Oklahoma Cooperative Extension - Oklahoma Garden Planning Guide

<http://www.agweb.okstate.edu/pearl/hort/vegetables/f-6004.pdf>

\*\* University of Illinois Extension - Planning a Garden

<http://www.urbanext.uiuc.edu/tog/planning.html>

Rutgers Cooperative Extension Publications <http://www.rce.rutgers.edu/>

FS393 Deer in the Vegetable Garden

DAL476 Sprinkler Irrigation

FS129 Planning a Vegetable Garden

EO79 New Jersey Pest Control Recommendations for Home Gardens