

DATE: August 15, 2001
TIME: 60 minutes

GROUP: K-4
ACTIVITY: Hayride Tour of Orchard and Farm

**WIGHTMAN'S FARMS
SAMPLE LESSON PLAN**

SUBJECT: FRUIT AND VEGETABLE PRODUCTION

LESSON SUMMARY: The many tasks needed to produce fruit and vegetables is shown and described. Students will gain a foundation and basic understanding of plant growth and how a farm creates ideal conditions for this growth.

OBJECTIVES:

- To gain familiarity with fruit types and varieties
- To introduce students to the fundamentals of growing fruit and vegetables
- The students will know how to select and handle pumpkins or other produce.
- The student will appreciate what tasks an farmer must perform
- To show how farming creates a renewable resource

TOPIC	DISCUSSION ACTIVITIES	TIME
FARM LOCATION	History of the Farm & Market Safety Rules A Family Business Farm Buildings & Equipment Soil Erosion & Conservation	10 minutes
TYPES AND VARIETIES OF FRUIT	Fruits Grown History of Apples Varieties Grown in this Orchard Parts of the Fruit Tree Climate & Seasons Pruning Trellis and Free Standing Standard vs. Dwarf Trees Grafting Insect & Disease Control Thinning of Fruit	10 minutes
VEGETABLES & Pumpkins	Vegetables Grown Kinds of Pumpkins Life Cycle of a Pumpkin The Weather & the Seasons	10 minutes
FLOWERS	Flowers Grown What Plants Need in Order to Grow Bees and Their Roll in Pollination	10 minutes
TREES & SHRUBS	Identification of Trees in the Forest Micro Climate	15 minutes
WRAP-UP	Questions The Market Other Opportunities to Discover	5 minutes

- WIGHTMAN'S FARMS CONTINUED -

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EXERCISE:

1. List the various colors of apples seen.
2. Discuss what influences the variety of apple trees planted.
3. Discuss what occurs each season on this farm.
4. Discuss the difference in temperature in the forest.
5. What things do plants need to grow?

RESOURCES:

International Apple Institute, McLean VA

U.S. Apple Association, www.usapple.org

NJ apple varieties: www.state.nj.us/agriculture/appletypes.htm,

NJ apple facts: <http://www.state.nj.us/hangout/apple.html>

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 Arkansas Extension - The Garden Spot

http://www.arhomeandgarden.org/Vegetables/Planning&Preparing/The_Garden_Spot.asp

** University of Illinois Extension - Planning a Garden

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

Rutgers Cooperative Extension Publications www.rce.rutgers.edu

FS275 Principles of Farm Market Layout

FS681 Varieties of New Jersey Vegetable Gardens