

DATE: August 14, 2001
TIME: 65 minutes

GROUP: 5-8
ACTIVITY: Tour of Vineyard & Winery

**FOUR SISTERS WINERY
SAMPLE LESSON PLAN**

SUBJECT: Grape and Wine Production

LESSON SUMMARY: Grape production and the manufacturing of wine in New Jersey has grown in both size and reputation. Students will gain a foundation and basic understanding of grape production, processing, fermentation, aging, racking, bottling, storage and wine use with foods.

OBJECTIVES:

- To gain familiarity with grape production and the effects of weather on the grape.
- To introduce students to the fundamentals of wine production.
- The students will know how to properly select wine and care for it.
- Students will learn about the responsible wine use with food.

TOPIC	DISCUSSION ACTIVITIES	TIME
WINERY LOCATION	Geographic Location Safety While at Vineyard & Winery History of the Vineyard & Winery	5 minutes
GRAPE PRODUCTION	Soil Classification Canopy Management & Cluster Thinning Anatomy of Grape Rainfall and Grape Quality Maturity for Harvest – Use of a Hand Refractometer	15 minutes
WINE PRODUCTION	Crushing and De-stemming and Addition of SO ₂ Pressing Sugar Content – Use of a Hydrometer Fermentation & Choice of Yeast	15 minutes
RACKING	Sulfite Level Monitoring Filtration Stages Cold Stabilization Addition of Sugars or Potassium Sorbate	10 minutes
BOTTLING	Sanitization of Bottles Filling & Corking Labeling Handling and Storage	10 minutes
WRAP UP	Discussion Questions Responsible Use of Wine Suggested Wines to Enhance Foods	10 minutes

EXERCISE:

1. List the various kinds of wine produced at the winery.
2. Discuss what factors will influence the quality of wine.
3. Discuss why grape vines must be pruned.
4. Discuss the history of wine use.
5. Discuss the responsible use of wine.

- FOUR SISTERS WINERY CONTINUED -

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RESOURCES:

Four Sisters Winery, <http://www.foursisterswinery.com/>

Grape Home Fruit Production - Find out how to select, plant, and harvest grapes. Also explains how grapes can be used in landscaping.

<http://muextension.missouri.edu/xplor/ag...>

Grape publications (Cornell) - Grape Production Information Production and varieties: Grape Pages from Geneva (cultural information) Cultural Practices, Lake Erie Grape Program Recent Releases from the Geneva Grape Breeding Program(on-line version)T

<http://www.hort.cornell.edu/extension/co...>

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

FS354 Grape Growing in the Home Garden: Establishment and Maintenance

FS100 Grape Growing in the Home Garden: Pest Control

EB549 Wine Making for the Amateur