

724 CONSUMER AGRICULTURE: PLANT KINGDOM

Level 1

Grades 11-12

½ credit

This course will cover related subjects in more depth than Introduction to Agriculture. Topics covered will include: human impact on the environment, turf management, landscape design and maintenance, interior plantscapes, floral design. Enrollment limited to 16

Student Learning Expectations

- 1 Develop problem-solving skills across content areas.
- 2 Develop communication skills across content areas.
- 3 Develop career, educational, and life planning skills.

725 AGRICULTURAL MECHANICS

Level 2

Grades 10-12

2 credits

This course is designed to equip students with the mechanical skills required in agricultural industry and those industries that service agricultural enterprises. The maintenance, repair and safe use of hand and power tools will lead to the maintenance and repair of small engines such as those found in chain saws and mowers. Equal consideration will be given to welding and construction skills that will be applied and developed through work on class and individual projects. **Not offered in 2008-2009.**

Student Learning Expectations

- 1 Develop problem-solving skills across content areas.
- 2 Develop communication skills across content areas.
- 3 Develop career, educational, and life planning skills.

726 HORTICULTURE: Exterior Applications

Level 2

Grades 10-12

2 credits

This course will cover the basics of plant anatomy and physiology, propagation, soils, pest control, etc. Focus will be on nursery and landscape industries, outdoor equipment operation, turf industry and other related topics. This class will work cooperatively with horticultural businesses and public agencies in the community. Enrollment limited to 7.

Student Learning Expectations

- 1 Develop critical thinking skills across the content areas.
- 2 Develop problem-solving skills across content areas.
- 3 Develop communication skills across content areas.
- 4 Develop career, educational, and life planning skills.
- 5 Develop skills for productive use of technology and information resources.
- 6 Develop career, educational, and life planning skills.
- 7 Demonstrate civic responsibility and environmental stewardship.
- 8 Practice civil, non-violent methods of communicating differences, resolving conflicts and collaboration.

727 HORTICULTURE: Interior Applications

Level 2

Grades 10-12

2 credits

This course will cover the basics of plant anatomy and physiology, propagation, soils, pest control, etc. This course will cover more detailed units in greenhouse management, interior plantscaping and floral design. Plant propagation and cultural methods for both edible and decorative plants will be emphasized. Greenhouse production will be a significant project as will activities related to the floral design industry. The class will work cooperatively with horticultural businesses and public agencies in the community. Enrollment limited to 7.

Student Learning Expectations

- 1 Develop critical thinking skills across the content areas.
- 2 Develop problem-solving skills across content areas.
- 3 Develop communication skills across content areas.
- 4 Develop career, educational, and life planning skills.
- 5 Develop skills for productive use of technology and information resources.
- 6 Develop career, educational, and life planning skills.
- 7 Understand the role of arts in society.
- 8 Demonstrate civic responsibility and environmental stewardship.
- 9 Practice civil, non-violent methods of communicating differences, resolving conflicts and collaboration.

Prerequisite for this course: Agricultural Science. This course is an introduction to the area of Natural Resources Management. In addition to awareness of employment opportunities, this course will encourage consumer awareness and responsibility for our natural resources. Students will learn the importance of multi-use forest management, become aware of the basic elements of the forest ecosystem, demonstrate proper tree planting techniques and timber management practices, and will be able to identify and specify uses for common commercially important trees in New England. The issues of water and air quality, as well as soil conservation, will be addressed. These concepts will be applied through land management and other practical projects. Enrollment limited to 9.

Student Learning Expectations
1 Develop critical thinking skills across the content areas.
2 Develop problem-solving skills across content areas.
3 Develop communication skills across content areas.
4 Develop career, educational, and life planning skills.
5 Develop career, educational, and life planning skills.
6 Demonstrate civic responsibility and environmental stewardship.
7 Practice civil, non-violent methods of communicating differences, resolving conflicts and collaboration.

VETERINARY SCIENCE

Level 1

Grades 11-12

2 credits

Prerequisite: B or better in General Biology, or completion of Honors Biology. This course explores the anatomy and physiology of domestic mammals and relates concepts to human anatomy and physiology. It will allow students considering any career in the life sciences a head start on understanding body systems. Classroom learning and laboratory activities will be supplemented with the handling of domestic animals on a regular basis. Practical management of domestic animals will be emphasized throughout the course. Occupational leadership and responsibility will also be a core element of the program. Enrollment limited to 9.

Student Learning Expectations
1 Develop problem-solving skills across content areas.
2 Develop communication skills across content areas.
3 Develop career, educational, and life planning skills.