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## **R.G. Drage Career Technical Center Agriculture Classes**

### **Agriculture & Environmental Systems**

#### **Career Field Description**

Agriculture and Environmental Systems Technical Content Standards define the knowledge and skills students need in order to be successful in careers related to Agriculture, Horticulture, Natural Resource Management and Food Science. Standards in Plant Science, Animal Science, Engineering, Business, Environmental Science and Food Science define this discipline.

### **Animal Science & Management/Pre-Veterinary Technology**

The Animal Science & Management/Pre-Veterinary Technology program is designed to give students a working knowledge of animal management and veterinary science through the study of many animals, including cattle, sheep, swine, horses, poultry, and goats. This course will provide an understanding of breeds, animal health, nutrition, training, anatomy and physiology, grooming, and related employment skills.

*\*\*\* (According to the Bureau of Labor Statistics: Employment of animal care and service workers is expected to grow faster than the average for all occupations over the 2006-16 decade. Additionally, a shortage in veterinarians who treat and inspect farm animals is becoming more severe, leading to substantial job growth in many areas of the country.)*

#### **Career Opportunities with Further Education:**

Animal Control Officer  
Animal Cruelty Investigator  
Animal Health Sales  
Animal Nutritionist  
Animal Trainer  
Laboratory Animal Technician  
Veterinarian  
Veterinary Technician  
Veterinary Aide/Office Worker

#### **Career Opportunities:**

Animal Hospital Assistant  
Animal Health Technician  
Animal Trainer Assistant  
Breeder  
Laboratory Animal Care Taker

Research Assistant

### **Power Equipment Engineering Technology**

Students enrolled in Power Equipment Engineering Technology learn to troubleshoot, maintain, and repair a wide variety of engines and power equipment.

Hands-on training is provided on recreational equipment, such as motorcycles, ATVs, golf course equipment, construction equipment, lawn and garden equipment, and compact tractors. In addition, students gain experience in welding skills, paint applications, and electrical system repair.

Career Opportunities:

Small Engine Technician

Lawn & Garden Equipment Mechanic

Motorcycle Technician

Recreational Vehicle Technician

Marine Mechanic

Agricultural Equipment Mechanic

Industrial Equipment Mechanic

Parts Salesperson

Career Opportunities with Further Education:

Product Sales

Agricultural Instructor

Service Manager

Shop Foreperson

Owner/Operator