

RCAS Cluster Plan of Study:

AGRICULTURE, FOOD, AND NATURAL RESOURCES

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

<p>Activities that describe what I like to do:</p> <ul style="list-style-type: none"> • Learn how things grow and stay alive • Make the best use of the earth's natural resources • Hunt and/or fish • Protect the environment • Be outdoors in all kinds of weather • Plan, budget, and keep records • Operate machines and keep them in good repair 	<p>Personal qualities that describe me:</p> <ul style="list-style-type: none"> • Self-reliant • Nature lover • Physically active • Planner • Creative problem solver 	
<p>9th Grade Required Core Courses:</p> <ul style="list-style-type: none"> • English 9 • Integrated Math 1 • Physical Science 1 & 2 or Biology 1 & 2 • World Geography <p>10th Grade Required Core Courses:</p> <ul style="list-style-type: none"> • English 10 / Adv. English 10 • Integrated Math 2 • Any Physical Science, Biology 1 & 2 • World History <p>11th Grade Required Core Courses:</p> <ul style="list-style-type: none"> • English 11 / Adv. English 11 / AP English 11 • Integrated Math 3 • Chemistry or Physics • U.S. History 1, 2, 3 <p>12th Grade Required Core Courses:</p> <ul style="list-style-type: none"> • English 12 / AP English 12 • Integrated Math 3 • U.S. Government <p>Other Required Courses:</p> <ul style="list-style-type: none"> • Information Technology (1 credit) • Fine Arts (1 credit) • Physical Education / Health (1 credit) • Economics or Personal Finance (.5 credit) • World Language, Capstone Experience or Service Learning, or Approved Career and Technical Education (1 credit) 	<p>Recommended Cluster Electives:</p> <ul style="list-style-type: none"> • Companion Animal Science / Lab • Natural Resources / Lab • Recreational Resources Management / Lab • Wildlife & Fisheries / Lab • Community Volunteer • Ecology / Lab • Computer Applications <p>Other Recommended Electives:</p> <ul style="list-style-type: none"> • Nutrition & Wellness • Culinary Arts • Chemistry / Lab • AP Chemistry / Lab • Microbiology / Lab 	<p>Careers in this Cluster:</p> <p>Environmental Engineer Veterinarian Animal Scientist Food Scientist Farm Management Horticulture Biochemist</p> <p>Post-Secondary Programs in this Cluster:</p> <p><u>Technical Degree*:</u> Wildlife Tech Vet Tech</p> <p><u>Associates Degree:</u> Agriculture Management</p> <p><u>Baccalaureate Degree:</u> Wildlife Management Horticulture Fisheries Ecology Agronomy</p> <p><u>Advanced Degree:</u> Veterinarian</p> <p><small>*See <i>Western Dakota Tech (WDT) Dual Enrollment</i> section for more information.</small></p>

Interest, Aptitude and Achievement Inventories

Career Matchmaker (8th-12th grade); **Ability Profiler** (10th grade); **PLAN** (10th grade); **Learning Styles Inventory** (10th – 11th grade); **My Skills** (10th – 12th grade); **Armed Services Vocational Aptitude Battery – ASVAB** (11th & 12th grade); **PSAT** (11th grade); **ACT** or **SAT** (11th – 12th grade)