

**CTE COURSE OUTLINE**

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| **School:** Any School |  |
| **Instructor:** Chris Farmington |  |
| **School Year:** 2020-21 |  |
| **Course Name:** Foundations of Agriculture |  |
| **MIS03 Code:** 01012 |  |
| **Grade Level:** 10th – 36 Weeks—52 Minute Class Period |  |
| **Awarded Credit:** One Credit |  |

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| **Unit Title** | **Unit Length** | **ND Standards & Benchmarks** | **Unit Description/Activities** |
| Unit 1: Leadership Development | 4 weeks | Career Ready Practices (CRP): FFA Student Handbook/Leadership | -Class Orientation  -Parliamentary Procedure Review  -Agricultural Demonstrations |
| Unit 2: Agronomy (Plant & Soil Science) | 8 weeks | Plant Systems Standards: 8.1.2, 8.1.3, 8.2.1, 8.2.2 | -Composition of Soils  -Soil Profiles of ND  -Soil Texture  -Nutrients in Soil  -Plant Nutrient Needs  -Factors of Plant Identification  -Crop (Seeds and Mounts) Identification  -Monocot/Dicot Differences  -Elevator Field Trip? |
| Unit 3: Animal Science | 4 weeks | Animal Systems  Standards: 3.3, 3.7 | -Veterinary Science Terminology  -Common Diseases in Livestock  -Animal Nutrition  -Feeding Rations |
| Unit 4: Agricultural Sales | 4 weeks | Agribusiness Systems Standards 2.5.2  CRP: 2,4 | -Types of Sales  -Presentation Skills  -Sales Practicum  -Motorsports Business Field Trip |
| Unit 5: Agricultural Economics | 4 weeks | Agribusiness Systems Standards: 2.2.2,  CRP: 2 | -Income Statements  -Inventory Statements  -SAE Update |
| Unit 6: Ag Mechanics: Arc/MIG Welding | 8 weeks | Power, Structural, & Technical Systems Standards: 9.1.2, 9.1.3 | -Welding Safety  -Arc/MIG Welding Processes  -Welder Identification  -Electrode Characteristics  -Welding Joints  -Plasma Cutting |
| Unit 7: Advanced Carpentry | 4 weeks | Power, Structural, & Technical Systems Standards: 9.4.1, 9.4.2, 9.4.3 | -Router Safety  -Table Saw Safety  -Large Wood Working Project-Bar Stool |