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| Time Frame | Topic/Unit | Skills/Concepts | Major Assessments | Core Standards | Resources |
| 2 weeksSept | **World of Agriculture** | -Readings, lecture notes and classdiscussion on agriculture importance,diversity and history-Create a time line of the history ofagriculture-chose an agricultural career and report on it (written report) | Projects demonstrating understanding | Reading Anchor StandardsStandard 1 2 3 and 4Writing Anchor StandardsStandard 2 and 5Speaking and Listening Anchor StandardsStandard 1 2 and 4Language Anchor StandardsStandard 1 and 4LE Standard 1 | Ag Ed Net |
| 6 weeksSept/Jan | **Introduction of the FFA** | -Lecture notes and class discussion on leadership and FFA-Students will create their records for SAE-Students will chose FFA contest, prepare and present (written and oral report) | Practical’s on material like job interview and prepared public speaking | Reading Anchor StandardsStandard 1 2 3 and 4Writing Anchor StandardsStandard 2 and 5Speaking and Listening Anchor StandardsStandard 1 2 and 4Language Anchor StandardsStandard 1 and 4 | FFA handbookFFA websiteAg Ed Net |
| 7 weeksSept/Oct | Tractor Safety | -Tractor safety overview-Tractor controls-Tractor maintenance-Tractor starting and stopping-Tractor operation | Formative and summative assessment on materialsPractical on starting and stoppingPractical on operating | Reading Anchor StandardsStandard 1 2 3 and 4Writing Anchor StandardsStandard 2 and 5Speaking and Listening Anchor StandardsStandard 1 2 and 4Language Anchor StandardsStandard 1 and 4CS Standards 1,2 and 4 | Tractor safety unitsTractorVideo’s on topics |
| 8 weeksNov | Introduction toMechanical Science | -Readings/lectures on safety, planning, finishing wood./metal, abrasives-Equipment use and safety demo-Plan and build project-Arc welding | Summative assessment and practical’s |  | Ag Ed NetTools and machinesPPE’s |
| 10 weeksFeb/Mar/Apr | Introduction to AnimalScience | -Readings/lecture notes on livestock industry-Genetics Lab-Breeding systems-Livestock breeds report-Report on biotechnology in animalscience-Readings/lectures notes on animal health-Disease report-Readings/lecture notes on animal welfare-Dairy and livestock Judging-Animal Nutrition-Anatomy and Physiology | Projects and practical’s | Reading Anchor StandardsStandard 1 2 3 and 4Writing Anchor StandardsStandard 2 and 5Speaking and Listening Anchor StandardsStandard 1 2 and 4Language Anchor StandardsStandard 1 and 4LE Standard 1, 2, 3, 5, 6 and 7 | Ag Ed NetLive stock ^ Poultry book |
| 1 weekMay | **Introduction to Soil** | -Readings/lecture notes on soils-Soil testing lab-Soil profiles, structures and texture | Practical’s and summative assessment on material | ES Standards 1,2,4,6 and 7 | Ag Ed NetSoil test kits |
| 8 weeksMay/June | **Introduction to Plant****Science** | -Readings/lecture notes on plants-Plant Structures lab-Plant environment lab-Fertilizer and lime calculations-Seed selection-Site Analysis-Garden Project | Practical’s and projects | Reading Anchor StandardsStandard 1 2 3 and 4Writing Anchor StandardsStandard 2 and 5Speaking and Listening Anchor StandardsStandard 1 2 and 4Language Anchor StandardsStandard 1 and 4LE Standard 1, 2, 3, 5, 6 and 7\*\*AFNR National Standards (Agricultural Food and Natural Resources) | Ag Ed NetSeedMeasuring devices (land wheel)FertilizerPotting soil and pots |