

Course Title:	Tractor Driving & Ag Equipment Operation
Grade(s):	11th/12th

Course Description
This course is designed to teach students how to safely operate tractors and provide students with the confidence to become competent and safe operators when driving and handling a tractor and other agricultural equipment. In addition, students will learn how to perform a pre-operation safety check, perform basic maintenance on equipment, hitch implements, and safely operate a variety of implements. Implements to be used with tractor operation include plough, cultivator, and loader buckets. Students will also learn how to operate and safely and skillfully maneuver a tractor with a manure spreader and hay wagon hitched. Implements to be used with skid steer operation include loader bucket, snow plow, forklift, landscape rake, brush cat, auger, and backhoe.
Approved Curricular Materials/Textbook(s)

Unit Title	Unit Description (Include Unit Objectives)	Unit Pacing
Unit 1: Introduction and Safety	This unit will introduce students to what is included under the umbrella of agricultural equipment and general safety knowledge required for safe operation. Students will: • Identify equipment that is utilized within the agriculture industry • Evaluate laws regarding agricultural equipment operation • Assess situations for safety hazards and preventions	1 week
Unit 2: Utility Vehicle Operation	This unit will cover the operation of utility vehicles. Students will: • Explain hazards associated with UTVs • Perform a pre-operation safety check on UTVs • Utilize a UTV operator's manual	4 weeks

	• Demonstrate basic equipment maintenance necessary for the safe operation of UTVs • Perform safe and proficient UTV operation • Properly hitch a trailer • Practice safe trailering methods	
Unit 3: Skid Steer Operation	This unit will cover the operation of skid steers and attachments. Students will: • Explain the hazards associated with skid steers • Perform a pre-operation safety check on a skid steer • Utilize a skid steer owner's manual • Demonstrate basic equipment maintenance necessary for the safe operation of skid steers • Perform safe and proficient skid steer operation • Perform safe attaching and detaching procedures for skid steer attachments • Proficiently operate a skid steer with pallet forks, loaders, auger and snow plow attachments	6 weeks
Unit 4: Tractor Operation	This unit will cover the operation of tractors and implements. Students will: • Explain hazards associated with tractors and how to prevent accidents • Perform a pre-operation safety check on a tractor • Utilize a tractor owner's manual • Demonstrate basic equipment maintenance necessary for the safe operation of tractors and implements • Perform safe and proficient tractor operation • Perform safe three-point hitch methods • Perform safe drawbar hitching methods • Proficiently operate a tractor with 3-point attachments - plow, cultivator, plastic layer/lifter • Proficiently operate a tractor with a disc harrow, manure spreader and hay wagon	9 weeks