

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Agricultural Education

Grade: Grade 9 - 12

Course: Agricultural Mechanics II - Small Engines **Updated**

NCCTE.2020.AS33 - Agricultural Mechanics II - Small Engines

NCCTE.2020.AS33.01.00 - Apply Four Cycle Theory

NCCTE.2020.AS33.01.01 - Understand safety and tools used in the small-engines shop.

NCCTE.2020.AS33.01.02 - Understand the internal combustion engine

NCCTE.2020.AS33.01.03 - Apply knowledge of engine operation.

NCCTE.2020.AS33.02.00 - Apply compression theory and operation.

NCCTE.2020.AS33.02.01 - Understand compression components and fundamentals

NCCTE.2020.AS33.02.02 - Apply compression testing components related to valve seatment, rings, and measurement of compression

NCCTE.2020.AS33.03.00 - Apply ignition systems theory and operation.

NCCTE.2020.AS33.03.01 - Understand electrical theory, ignition testing and ignition systems components

NCCTE.2020.AS33.03.02 - Apply ignition testing procedures for servicing a Four Cycle engine

NCCTE.2020.AS33.04.00 - Apply fuel systems theory and operation

NCCTE.2020.AS33.04.01 - Understand fuels and carburetor operating systems.

NCCTE.2020.AS33.04.02 - Apply fuel testing and carburetor building techniques used in servicing a Four Cycle engine.

NCCTE.2020.AS33.05.00 - Apply governor systems theory and operation.

NCCTE.2020.AS33.05.01 - Understand types of governor systems, their function and adjustments.

NCCTE.2020.AS33.05.02 - Apply governor systems adjustments.

