

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Trade, Technology, Engineering, and Industrial Education

Grade: Grade 9 - 12

Course: Drone Technology I **New**

NCCTE.2020.ID11 - Drone Technology I

NCCTE.2020.ID11.01.00 - Understanding Drones.

NCCTE.2020.ID11.01.01 - Understand the history of Drones.

NCCTE.2020.ID11.01.02 - Understand careers in the drone industry.

NCCTE.2020.ID11.01.03 - Understand 21st century skills needed by professional in the drone industry.

NCCTE.2020.ID11.02.00 - Apply procedures to troubleshoot Drone hardware.

NCCTE.2020.ID11.02.01 - Understand the functions and relationship components that make up a drone.

NCCTE.2020.ID11.02.02 - Apply procedures to troubleshoot Drone hardware.

NCCTE.2020.ID11.03.00 - Understand the requirements for FAA 14 CFR Part 107 and NCDOT UAS Operator Permit.

NCCTE.2020.ID11.03.01 - Understand regulations concerning drone use.

NCCTE.2020.ID11.03.02 - Understand airspace classifications and operations requirements in the drone industry.

NCCTE.2020.ID11.03.03 - Understand weather related requirements concerning drone use.

NCCTE.2020.ID11.03.04 - Understand loading and performance requirements in the drone industry.

NCCTE.2020.ID11.03.05 - Understand drone operations.

NCCTE.2020.ID11.03.06 - Understand NC UAS Drone Operator requirements.

NCCTE.2020.ID11.04.00 - Apply procedures needed for basic Drone flight.

NCCTE.2020.ID11.04.01 - Apply procedures for manual drone flight.

NCCTE.2020.ID11.04.02 - Understand drone autonomous flight.

NCCTE.2020.ID11.04.03 - Understand drone mapping software.

