NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Trade, Technology, Engineering, and Industrial Education

Grade: Grade 9 - 12
Course: Collision Repair Fundamentals New

NCCTE.2020.IT30 - Collision Repair Fundamentals

NCCTE.2020.IT30.01.00 - Understand Collision Repair Process Overview.

NCCTE.2020.IT30.01.01 - Explain obligations to the customer and the liability.

NCCTE.2020.IT30.01.02 - Explain the collision repair process.

NCCTE.2020.IT30.01.03 - Explain structural and non-Structural repairs.

NCCTE.2020.IT30.01.04 - Explain electrical and mechanical repairs.

NCCTE.2020.IT30.01.05 - Explain refinishing and delivery.

NCCTE.2020.IT30.02.00 - Understand Hazardous Materials, Personal Safety, and Refinishing Safety.

NCCTE.2020.IT30.02.01 - Explain safety data sheets.

NCCTE.2020.IT30.02.02 - Explain labels.

NCCTE.2020.IT30.02.03 - Explain hazardous materials.

NCCTE.2020.IT30.02.04 - Explain personal protective equipment.

NCCTE.2020.IT30.02.05 - Explain repair facility safety.

NCCTE.2020.IT30.02.06 - Explain hazardous wastes.

NCCTE.2020.IT30.02.07 - Explain general protections.

NCCTE.2020.IT30.02.08 - Explain structural repairs.

NCCTE.2020.IT30.02.09 - Explain non-structural repairs.

NCCTE.2020.IT30.02.10 - Explain hybrids.

NCCTE.2020.IT30.03.00 - Understand Tools, Equipment, and Attachment Methods.

NCCTE.2020.IT30.03.01 - Identify basic tools.

NCCTE.2020.IT30.03.02 - Explain mechanical fastening methods.

NCCTE.2020.IT30.03.03 - Explain glass and trim attachment methods.

NCCTE.2020.IT30.03.04 - Explain estimating tools and processes.

NCCTE.2020.IT30.03.05 - Explain measuring and straightening.

NCCTE.2020.IT30.03.06 - Explain welding.

NCCTE.2020.IT30.03.07 - Describe welding methods.

NCCTE.2020.IT30.03.08 - Explain panel bonding.

NCCTE.2020.IT30.03.09 - Explain capital equipment.

NCCTE.2020.IT30.04.00 - Understand Vehicle Construction Materials.

NCCTE.2020.IT30.04.01 - Explain steel construction materials.

NCCTE.2020.IT30.04.02 - Explain aluminum and magnesium construction materials.

NCCTE.2020.IT30.04.03 - Explain plastic and carbon fiber construction materials.

NCCTE.2020.IT30.04.04 - Explain collision energy management.

NCCTE.2020.IT30.05.00 - Remember Vehicle Parts Terminology.

NCCTE.2020.IT30.05.01 - Define bumpers, front body, and roof panels.

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

NCCTE.2020.IT30.05.02 - Define doors.
NCCTE.2020.IT30.05.03 - Define rear closure panels, box assemblies, and exterior trim.
NCCTE.2020.IT30.05.04 - Define lighting.
NCCTE.2020.IT30.05.05 - Define front unibody structures and full frames.
NCCTE.2020.IT30.05.06 - Define side and rear unibody structures.
NCCTE.2020.IT30.05.07 - Define interiors.
NCCTE.2020.IT30.05.08 - Define glass.
NCCTE.2020.IT30.06.00 - Understand Industry Repair Terms and Concepts.
NCCTE.2020.IT30.06.01 - Explain non-structural terms and concepts.
NCCTE.2020.IT30.06.02 - Explain structural terms and concepts.
NCCTE.2020.IT30.06.03 - Explain structural part replacement terms and concepts.
NCCTE.2020.IT30.06.04 - Explain glass terms and concepts.
NCCTE.2020.IT30.06.05 - Explain damage report writing terms and concepts.
NCCTE.2020.IT30.07.00 - Understand Basic Mechanical Systems Terminology.
NCCTE.2020.IT30.07.01 - Explain steering systems.
NCCTE.2020.IT30.07.02 - Explain wheels and tires.
NCCTE.2020.IT30.07.03 - Explain brakes.
NCCTE.2020.IT30.07.04 - Explain stability control.
NCCTE.2020.IT30.07.05 - Explain suspension systems.
NCCTE.2020.IT30.07.06 - Explain drivetrains.
NCCTE.2020.IT30.07.07 - Explain heating and cooling systems.
NCCTE.2020.IT30.07.08 - Explain air conditioning systems.
NCCTE.2020.IT30.08.00 - Understand Basic Mechanical Repair Terms and Vehicle Protection.
NCCTE.2020.IT30.08.01 - Explain electrical terms.
NCCTE.2020.IT30.08.02 - Explain mechanical terms
NCCTE.2020.IT30.08.03 - Explain steering and suspension systems terms.
NCCTE.2020.IT30.08.04 - Explain protecting electronic systems.
NCCTE.2020.IT30.08.05 - Explain preventing vehicle damage during repairs.
NCCTE.2020.IT30.09.00 - Understand Safety Systems.
NCCTE.2020.IT30.09.01 - Explain airbags.
NCCTE.2020.IT30.09.02 - Explain seat belts and child safety seats.
NCCTE.2020.IT30.09.03 - Explain occupant classification.
NCCTE.2020.IT30.09.04 - Expalin additional safety systems.
NCCTE.2020.IT30.10.00 - Understand Basic Refinishing and Corrosion Protection.
NCCTE.2020.IT30.10.01 - Explain vehicle maker processes.
NCCTE.2020.IT30.10.02 - Explain refinishing terms.
NCCTE.2020.IT30.10.03 - Explain refinishing materials.
NCCTE.2020.IT30.10.04 - Explain personal safety.

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

NCCTE.2020.IT30.10.05 - Identify refinishing tools.

NCCTE.2020.IT30.10.06 - Explain refinishing preparation.

NCCTE.2020.IT30.10.07 - Identify refinishing defects.

NCCTE.2020.IT30.10.08 - Explain corrosion protection

NCCTE.2020.IT30.11.00 - Understand Detailing.

NCCTE.2020.IT30.11.01 - Explain inspecting the finish.

NCCTE.2020.IT30.11.02 - Explain finish defect removal.

NCCTE.2020.IT30.11.03 - Explain final detailing.

NCCTE.2020.IT30.12.00 - Understand Vehicle Technology and Trends.

NCCTE.2020.IT30.12.01 - Explain trends and industry influences.

NCCTE.2020.IT30.12.02 - Explain North American vehicle makers technology and trends.

NCCTE.2020.IT30.12.03 - Explain Asian vehicle makers technology and trends.

NCCTE.2020.IT30.12.04 - Explain European vehicle makers technology and trends.

NCCTE.2020.IT30.12.05 - Explain future trends.