



THE BUS PROJECT

TODAY'S EXPLORATION: Clean up and Demolition

Grade Level : 9 - 12

Overview: In this module, students will learn about safety and problem-solving various ways to remove items from the school bus and determine what to dispose of and keep. Utilizing reverse engineering, they will deconstruct the school bus.

Students will remove the trash, bus bench seats, and other unnecessary obstacles inside the school bus.

CTE Alignment

Architecture and Construction Cluster:

AC01 Use vocabulary, symbols, and formulas commonly used in design and construction.

Engineering and Technology Cluster:

EN06.01.01 Use teamwork skills to achieve goals, solve problems and manage conflict.

EN06.01.02 Work effectively in the engineering workplace with others from diverse backgrounds.

EN06.01.05 Act responsibly as a team member, completing assigned tasks in a timely and effective manner.

EN06.01.07 Solve problems using creativity and innovation.

Materials:

- Personal Safety Equipment
- Carpenter pencils
- Pry bars
- Angle Grinders
- Work gloves
- N95 Masks

- Socket Wrench Sets
- Putty Knife
- Drill/drivers
- Phillips screwdrivers

Optional Materials:

- Pneumatic Tools - socket set

Guiding Questions:

1. What knowledge and skills are necessary to de-construct the school bus?
2. What are clues as to how the bus was put together?
3. What clues will help us reverse the process and remove unwanted items from the bus?

What Are We Discovering?

The structure of the school bus, interior, and exterior will help convert the bus to housing.

Additional Activities:

Career and Community Connections

Utilizing the basic construction safety and OSHA safety

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<https://nyctecenter.org/mlmodules>

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