

After completing the breadboard lesson, students will be able to:

- Define what a breadboard is
- Explain why breadboards are used
- Demonstrate how a breadboard is used
- Recall the origin of the name breadboard
- Recall who invented the modern breadboard
- Reference the location of a *Power Rail* on a breadboard and describe how the pin holes are connected
- Reference the location of the *5 Hole Terminal Strips* on a breadboard and describe how the pin holes are connected
- Reference the location of the *center divider*
- Explain the reason why chips are connected across the *center divider* of the breadboard
- Illustrate possible ways to connect rows and columns of pin holes together
- Recreate a basic circuit on a breadboard
- Summarize how breadboard construction allows for the physical connection of electrical components into the pin holes
- Communicate the exact location of a pin hole on a breadboard using letters and numbers
- Construct a larger breadboard using multiple smaller breadboards

