

Transportation **List of Video Resources**

The video resources in this package are divided into two categories:

1. The first category, “**Program Videos**,” lists archived versions of our live, interactive student programs that explore multiple concepts and topics related to transportation.
2. The second category, “**Topic Videos**,” includes short videos that deal with a specific topic, issue, event, or person related to transportation. Some of the “topic videos” listed here are also featured in one of the archived live programs. If so, the name of the archived program video is included in parentheses.

More information on each video, including a description of its content, grade levels targeted, and any teacher tools or student tools related to it, can be found on its video play page by clicking on its title below. Time length for each video is provided below and on its video play page.

Program Videos:

Aviation 2: The Science Behind Aviation (59:42)

Transportation 15: Explore! Trains (30:59)

Transportation 19: HEC-TV Live! Passage to Progress 1 (52:24)

Transportation 20: HEC-TV Live! Passage to Progress 2 (1:28:59)

Topic Videos:

Aviation 1: Why do airplanes have lights? (00:56)

Aviation 10: How Does That Work? Flight Control Surfaces of an Airplane (1:03)

Aviation 11: How Does That Work? Helicopters (00:56)

Environment 19: Rivers and Transportation of Goods (8:30)

STEM 5: Comparing Human Speed to Jet Speed (1:37)

Transportation 1: What happens if I’m going to ride a train? (1:02)

Transportation 2: What’s the size of a train? (00:30)

Transportation 3: What do the engineer and other personnel do to make sure the train runs smoothly? (1:48)

Transportation 4: Control Panel Explanation (2:02—also seen in Transportation 15: Explore! Trains)

Transportation 5: Train Control Operator in Action (1:09—also seen in Transportation 15: Explore! Trains)

Transportation 6: Removing the Wheel Carriage (1:30)

Transportation 7: Explanation of Wheel Carriage (2:20)

Transportation 8: Locomotive Power Plant (00:41—also seen in Transportation 15: Explore! Trains)

Transportation 9: Starting a Locomotive (00:55—also seen in Transportation 15: Explore! Trains)

Transportation 10: Railroad Speed Activity (1:57)
Transportation 11: Explore Trains Student Questions 1 (10:29)
Transportation 12: Explore Trains Student Questions 2 (9:37)
Transportation 13: Explore Trains Student Questions 3 (8:23)
Transportation 14: How an Electric Car Operates (1:16)
Transportation 16: How Does That Work? Magnetic Levitation Trains (4:26—also seen in
Transportation 15: Explore! Trains)
Transportation 17: When Did That Happen? (2:34—also seen in Transportation 15: Explore!
Trains)
Transportation 18: How Does That Work? Traffic Signal Control System (1:41)
Transportation 21: How Locks and Dams Work on the Mississippi River (2:07)
Transportation 22: Using Locks and Dams to Maintain Navigational Channels (00:42)
Transportation 23: How Barges Go Through Locks and Dams (1:09)