

Transportation

Resource List for Grades 9 through 12

The Resources in this document can be used with the Transportation Curriculum Packet for grades 9 through 12.

Books

Non-fiction and Biography

- [A Career in Transportation and Warehousing \(Jobs for Rebuilding America\)](#), 2018 by Joe Greek (Author).
From seeing the country from behind the wheel of a truck to managing hundreds of workers at an e-commerce fulfillment center, career opportunities within transportation and warehousing are booming in the United States. This book introduces students to a variety of job and career paths in logistics with ample room for growth, including how to jumpstart their journeys as early as high school.
- [Civil Engineering: A Very Short Introduction](#), 2012 by David Muir Wood (Author).
Civil engineering has made an inestimable contribution to modern life, providing the crucial expertise behind our vast transportation systems and the wide array of built structures where we work, study, and play. In this title, the author turns a spotlight on a field that we often take for granted.
- [Cutting Edge Transportation Technology \(Cutting Edge Technology\)](#), 2016 by Barbara Sheen (Author).
Looks at the latest innovations in transportation technology, including electric vehicles, self-driving cars, high-speed trains, hydrogen- and wind-powered marine vehicles, drones, and the possibility of space tourism and colonization.
- [Elon Musk: Tesla, SpaceX, and the Quest for a Fantastic Future](#), 2015 by Ashlee Vance (Author). 9-12
This book traces the entrepreneur's journey from a rough upbringing in South Africa to the pinnacle of the global business world. A modern alloy of Thomas Edison, Henry Ford, Howard Hughes, and Steve Jobs, Musk is the man behind PayPal, Tesla Motors, SpaceX, and SolarCity, each of which has sent shock waves throughout American business and industry.
- [Getting There: Frontier Travel Without Power](#), 1980 by Suzanne Hilton (Author).
Describes what it was like to travel by horseback, stagecoach, canal boat, flatboat, covered wagon, and sailing ship before the days of motorized travel.
- [The Great American Steamboat Race: The Natchez and the Robert E. Lee and the Climax of an Era](#), 2009 by Benton Rain Patterson (Author).
Running from New Orleans to St. Louis in the summer of 1870, the race between the Robert E. Lee and the Natchez remains the world's most famous steamboat race. This book tells the story of the dramatic contest, which was won by the stripped-down, cargoless Robert E. Lee after three days, 18 hours, and 14 minutes of steaming through day, night and fog.

- Rebuilding America's Infrastructure (In the News), 2010 by Annalise Silivanch (Author). Discusses the need to rebuild America's infrastructure in the fields of transportation, energy, water, and waste, and discusses the environmental and economic challenges to renovating the infrastructure.
- Shackleton's Stowaway, 2006 by Victoria McKernan (Author). On October 26, 1914, Ernest Shackleton's Endurance set sail from Buenos Aires in pursuit of the last unclaimed prize in exploration: the crossing of the Antarctic continent. The crew stood on deck to watch the city fade away. All but one. Eighteen-year-old Perce Blackborow hid below in a locker. But the thrill of stowing away with the legendary explorer would soon turn to fear. Within months, the Endurance, trapped and crushed by ice, sank.
- Wheels of Change: How Women Rode the Bicycle to Freedom (With a Few Flat Tires Along the Way), 2017 by Sue Macy (Author). Take a lively look at women's history from aboard a bicycle, which granted females the freedom of mobility and helped empower women's liberation. Through vintage photographs, advertisements, cartoons, and songs, *Wheels of Change* transports young readers to bygone eras to see how women used the bicycle to improve their lives.

Fiction

- Airman, 2009 by Eoin Colfer (Author). Conor Broekhart was born to fly. It is the 1890s, and Conor and his family live on the sovereign Saltee Islands, off the Irish coast. Conor spends his days studying the science of flight with his tutor and exploring the castle with the king's daughter, Princess Isabella. But the boy's idyllic life changes forever the day he discovers a deadly conspiracy against the king.
- The Car, 2006 by Gary Paulsen (Author). Neglected by his parents, fourteen-year-old Terry Anders is used to taking care of things on his own. He even manages to assemble a car kit by himself. When the car is finished, Terry sets off from Cleveland to Portland in search of an uncle he barely remembers. Along the way, he is joined by a wise Vietnam vet who turns his journey into an adventure in learning.
- The Mystery of the Blue Train: A Hercule Poirot Mystery (Hercule Poirot Mysteries), 2011 by Agatha Christie (Author). When the luxurious Blue Train arrives at Nice, a guard attempts to wake serene Ruth Kettering from her slumbers. But she will never wake again, for a heavy blow has killed her, disfiguring her features almost beyond recognition. What is more, her precious rubies are missing.
- Secrets (The Steamship Chronicles), 2014 by Margaret McGaffey Fisk (Author). Samantha reads the hearts of mechanical devices and transforms them into what they long to be. In a steam-powered Victorian England where only the wealthy can afford such contraptions, the law does not look kindly on Naturals who destroy these purchases. Barely able to resist the demand of the devices, Sam becomes a danger to everyone around her, not in the least because the mechanicals show little restraint once changed.
- The Ship Beyond Time (Girl from Everywhere), 2018 by Heidi Heilig (Author). Nix has spent her whole life journeying to places both real and imagined aboard her time-traveling father's ship. And now it's finally time for her to take the helm. Her future lies bright before her, until she learns that she is destined to lose the one she loves.

- The Swiss Family Robinson, 2016 by Johann David Wyss (Author), Charles Nodier (Introduction).
First published in 1812, Johann David Wyss's "The Swiss Family Robinson" is a classic story of survival on a deserted tropical island. While en route to Australia, the family finds themselves in great peril when their vessel is caught in a violent storm. As the ship breaks apart when it is battered against a reef, the family is abandoned by their crew, who escape without them in the lifeboats.
- Wheels of Change, 2014 by Darlene Beck Jacobson (Author).
In 1908 Washington D.C., twelve-year-old Emily Soper watches her father's business have trouble when automobiles cut into his fine carriage business.

Magazines, Journals, Miscellaneous

- Car And Driver: Car and Driver offers down-to-earth advice and useful reviews on the automobiles that most people own and drive today.
<https://www.hearst.com/magazines/car-and-driver>
- Discover Magazine: Transportation
<http://discovermagazine.com/tags/transportation>
- Road and Track Online
<https://www.roadandtrack.com>
- SimplePlanes: Minimalist flight simulator lets you build (and crash) your own plane. Download in your play store

Online Links

- The National Museum of American History: Explore the collections containing photographs and historical facts about transportation.
<http://americanhistory.si.edu/collections/subjects/transportation>
- National Transportation Museum: Virtual tour
<http://tours.aspiremedia360.com/44237>
- The Smithsonian: Trains at Smithsonian Station
<https://www.si.edu/spotlight/trains>

Background information for the Educator

- Nanosonic: Lessons using advanced transportation systems as a central theme.
<http://www.nanosonic.com/education/>
- Transportation Teaching Ideas
<https://educators.brainpop>