

Fact Cards

Non-fiction texts are full of key details. Students need to both understand and apply the facts that are embedded within these non-fiction texts.

How can you use fact cards like those featured here?

- Use the green number categories to strategically distribute sets of cards to students who would benefit from building background knowledge in each of those categories.
- Give students an opportunity to manipulate the cards and pair related facts (for example, put the horizontal and vertical facts together).
- You could create inaccurate facts based on misconceptions.

Fact Categories

The categories below are just a sample of ways that you can organize your facts. Of course, in your own instruction, you could add or remove facts.

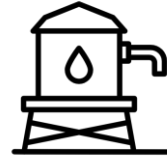
1. Space shuttles
2. Planes
3. Launch or takeoff
4. Landing
5. Parts of aircraft
6. People

Underneath a space shuttle, there are pools of water to provide sound and heat protection. The heat from launching produces steam when the space shuttle launches that looks like clouds¹.



(Space Shuttles)(Launch or Takeoff)

Lots of water is needed to keep a space shuttle launch safe¹.



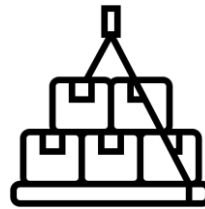
(Space Shuttles)(Launch or Takeoff)

Space shuttles fly more than ten times faster than the speed of sound³.



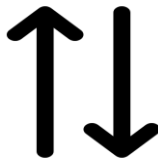
(Space Shuttles)

Both space shuttles and airplanes move people and cargo from one place to another⁵.



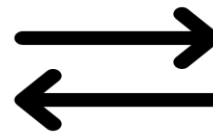
(Space Shuttles)(Planes)

Space shuttles take off vertically².



(Space Shuttles)(Launch or Takeoff)

Airplanes take off horizontally⁵.






(Planes)(Launch or Takeoff)

A pilot needs to control the takeoff and landing of an airplane⁶.



Pilots for space shuttles are only needed during landing⁴.

<p>(Planes) (Launch or Takeoff)(Landing)(People)</p>	 <p>(Landing)(People)(Space Shuttles)</p>
<p>A space shuttle is strapped to rockets that help it launch into orbit².</p>  <p>(Space Shuttles)(Launch or Takeoff) (Parts of Aircraft)</p>	<p>An airplane uses jet engines or turbines to take off⁶.</p>  <p>(Planes)(Launch or Takeoff) (Parts of Aircraft)</p>

Sources Cited:

1. Dunbar, B. (2009). Preventing Fires on the Launch Pad. Retrieved August 24, 2020, from https://www.nasa.gov/audience/forstudents/9-12/features/F_Preventing_Fires_on_the_Launchpad.html
2. May, S. (2015, June 02). What Is the Space Shuttle? Retrieved August 24, 2020, from <https://www.nasa.gov/audience/forstudents/5-8/features/nasa-knows/what-is-the-space-shuttle-58.html>
3. Orbital's Hyper-X Rocket Successfully Launches NASA's X-43A Hypersonic Scramjet to Mach 10; Flight Marks 50th Launch of Pegasus-Based Vehicle. (2004). Retrieved August 24, 2020, from <https://news.northropgrumman.com/news/releases/orbital-s-hyper-x-rocket-successfully-launches-nasa-s-x-43a-hypersonic-scramjet-to-mach-10-flight-marks-50th-launch-of-pegasus-based-vehicle>
4. Orf, D. (2017, November 14). The Absurd Acrobatics of a Space Shuttle Landing. Retrieved August 24, 2020, from <https://www.popularmechanics.com/space/a23751/space-shuttle-landing/>
5. Parts of Airplane. (n.d.). Retrieved August 24, 2020, from <https://www.grc.nasa.gov/www/k-12/airplane/airplane.html>
6. F. (n.d.). Pilot Guide To Takeoff Safety. Retrieved from https://www.faa.gov/other_visit/aviation_industry/airline_operators/training/media/takeoff_safety.pdf