



Meet a....

- [Physicist](#)
- [Mechanical Engineer](#)

Response Sheet

- [Physicist](#)
- [Mechanical Engineer](#)

Professional resources

- [What does a Physicist Do?](#)
- [What does a Mechanical Engineer Do?](#)
- [Why Study Physics?](#)
- [Career Paths for Mechanical Engineers](#) - video about many avenues in ME

Extension Activities

- Use the engineering design process to:
 - [Build, test, and launch a straw rocket!](#)
 - Wind tunnel - continue the engineering design process in your classroom with these sample challenges:
 - Design something that will stay airborne the longest.
 - Design the smallest (largest, heaviest, lightest) object that can stay airborne for 10 seconds.
 - What challenges can you and your students come up with?

Literature List

- Look Up with Me: Neil deGrasse Tyson: A Life Among the Stars - Jennifer Berne (Author),
- Secret Engineer: How Emily Roebling Built the Brooklyn Bridge - Rachel Dougherty
- When Sparks Fly The True Story of Robert Goddard, the Father of US Rocketry - Kristen Fulton
- Planes and Rockets and Things That Fly - Richard Scarry
- Ada Lovelace Cracks the Code - Rebel Girls
- Engineering: Cool Women Who Design - Vicki V. May
- Whoosh!: Lonnie Johnson's Super-Soaking Stream of Inventions - Chris Barton
- Rosie Revere, Engineer: A Picture Book - Andrea Beaty

