STEM Read-Aloud Videos

Video read-alouds of excellent English Language picture books to support STEM concepts while building vocabulary, fluency, and comprehension.

These are examples of children's picture books, many with STEAM (Science / Technology / Engineering / Art and Math) themes, that we have use during STEM4Learning workshops as examples for building student engagement through read-alouds. Many associated activities and teaching units are shared in Picture Perfect STEM books by Emily Morgan and Karen Ansberry published by the National Science Teachers Association.

National Geographic Robots by Melissa Stewart

Amazon purchase page:

Summary: This is a great introduction to any study or research about robots as it shares great pictures and simple content talking about various kinds of robots, a little robot history while exploring the interesting roles they are playing in our lives.

Link to Youtube Read-aloud Version - this first version is a long version design to provide text support for younger readers with words highlighted while read outloud. Helpful since this book has alot of text compared to other STEM Picture Books

https://www.youtube.com/watch?v=nO-X-TNcWAI

This second version is a more traditional read by a teacher:
https://www.youtube.com/watch?v=WkBg_EuY5GA

Link to .pdf slides of book page by page
- Robots by National Geographic and Melissa Stewart

Some related activity ideas
- This is our go-to book when we want to introduce the Edison robot to students - it provides an excellent overview and sets a foundation for learning basic concepts. Can be paired with How to Code a Sandcastle by Josh Funk