Next Gen Science Standards focus on STEM Practices – behaviors, skills, and activities – that involve a range of social, learning, language, and physical skills that can challenge students with disabilities.

STEM LITERACY

1. Students must be able to use scientific language to pose questions & draw conclusions
2. Mastery of STEM vocabulary is critical
3. Students must be able to use STEM language in writing and discourse

THINK ABOUT

How might STEM vocabulary and writing pose challenges for your students with disabilities? How might you use assistive and instructional technology to improve access?

MAKE STEM MORE ACCESSIBLE

Consider virtual field trips, simulations, augmented or virtual reality to help build background knowledge

Use readings with built-in glossaries, multimedia or picture dictionaries, and concept-mapping software for new content

Support students with tools that provide multiple versions of a text at varying reading levels and different formats