OT/PT PROGRAM
TIP SHEET
TECHNOLOGY

CLEVELAND
METROPOLITAN
SCHOOL DISTRICT

Multiple Means of Representation:

Multiple means of representation refers to how students *take* in information. Consider:
- large print books, color and design-Readability
- audiobooks, Snap and read, Clicker, Co: Write, Learning Ally Web Anywhere Learning Tools Immersive Reader
- Braille
- Learning Ally
- Bookshare
- Photo Story 3
- Power Point, Movie maker, SMART Notebook
- podcasts such as Why? The Science Show for Kids, Storycorps, More or Less, Radiolab, and A World of Ideas.
- Videos—Youtube channels Crash course and ASAP Science, and the TED Ed site, Discovery education
- Lesson Pix
- Newsela or Rewordify.
- Finally, annotating a text—either in writing via Google Docs or DocentEDU or with audio comments via Kaizena—supports students understanding because it allows teachers to provide links to pictures, infographics, or simply pronounce and define a tricky vocabulary word that's crucial to student understanding.

Multiple Means of Action & Expression:

Multiple means of action & expression refers to how students demonstrate their knowledge (think "output"). Consider:
- Infographics: they can be used as persuasive texts (e.g. create a poster to convince a city to use one type of energy vs. another), to summarize narrative texts (e.g. create a movie poster for a book that you read that demonstrates its themes), or to inform (e.g. create a timeline that reflects the causes and effects of World War I). Some tools for creating infographics include Pixlr, Google Drawings, Piktochart, or SnagIt. Students can also create slideshows (with Google Slides)
- Dictation software. Google's Voice Typing is free and works well on all Google Docs, and Dragon Dictation allow students to use spell check and grammar check to help their writing reflect their meaning.

Multiple Means of Engagement:

Multiple means of engagement references how students learn, and includes interest level, effort and persistence, and self-regulation. Consider:
- Choice
- Twitter to obtain different perspectives on an issue, or use, Email, blogging, Wikis
- Google Forms to ask people anywhere in the world about their opinions, preferences, or expertise. Colloboration and also be nourished within a classroom:
- Google Docs and Google Slides allow for student collaboration easily as they allow students to be responsible for different parts of assignments simultaneously.
- Videos not only provide multiple means of representation, but they may increase engagement:
- Poll Everywhere

Differentiated Reading Instruction: Strategies and Technology Tools to Help All Students Improve (Routledge, 2016).