

LINCOLN PUBLIC SCHOOLS
Technology/Engineering Learning Expectations: Grade 8

Strand:
Technology/Engineering

Mass Standard
TE7.1

Explain examples of adaptive or assistive devices, e. g., prosthetic devices, wheelchairs, eyeglasses, grab bars, hearing aids, lifts, and braces.

See also: TE1.1, TE1.2, TE1.3, TE2.1, TE2.2, TE2.3, TE2.4, TE2.5, TE2.6 and TE7.2

Big Ideas

- ❑ Bioengineering makes tasks, jobs, products, environments and systems compatible with the needs, abilities and limitations of people.
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Key Outcomes

- ❑ Students will demonstrate an understanding that **bioengineering makes tasks, jobs, products, environments and systems compatible with the needs, abilities and limitations of people** by designing products for a specific human task or function.
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Essential Knowledge and Skills

Students will know and/or be able to do:

- ❑ Use the engineering design process to design and build functioning prototypes for a specific task or function.
- ❑ Recognize that assistive devices often help people to be more independent.