



# Exploring Technology At-A-Glance

**Intended Audience:** 6<sup>th</sup> Grade

**Course Length:** 18 weeks

**Meeting Engineering and Technology:** Engineering and technology impact every individual and society as a whole.

- Introduction to Technology: Technology addresses our current wants and needs. Through innovation, humans have changed natural resources into products.
- Areas of Technology: Technology is a broad name for many fields of study.
- System Design: Technology is most useful when each facet of its creative design is carefully considered, such as its inputs, process, output, and feedback.
- Transforming Resources into Technology: The process of selecting necessary resources should be based upon the desired result of the technology being designed.

**Design and Engineering:** Technology exists to solve problems through the use of creative solutions that work best by demonstrating careful selection of resources to generate the best outcomes. Use of resources are a result of detailed and accurate plans based on ideas evolved through utilization of the Engineering Design Process in an Engineering Design Journal to ensure production of the technology designed solution is developed to achieve desired results.

- Documenting Ideas: Writing and sketching are important communication and documentation skills. An Engineering Design Journal (EDJ) is used to document class activities using narratives and sketches.



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For More Information

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