

BNS Computer Lab and Technology Class Description:

Every middle school BNS student partakes in a Computer Lab and Technology class each year.

This class includes a review of Google Drive and basic computer programs, as well as regular typing practice. Students complete lessons through Typing.com working towards a goal of touch typing consistently at a speed of at least 35 wpm by the end of 8th grade.

The Tech Ed. portion of the class follows the Standards of Technological Literacy (STLs) set forth by ITEEA. Below are highlighted goals broken up by grade:

6th Grade:

- Students explore the seven different fields of technology as described in the STLs: medical, agricultural and biotechnologies, energy and power, information and communication, transportation, manufacturing, and construction.
- Students learn how to approach and think through problems based on real world scenarios.
- Students are introduced to the engineering design process utilizing it to complete a series of small engineering and/or technology projects under one of the fields of technology.
- Students demonstrate the basics of completing technical drawings and 3D modeling to design a technological solution.
- Students explore technology and engineering related careers.



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7th Grade:

- Students develop problem solving skills by brainstorming solutions to real world scenarios.
- Students demonstrate the ability to use a design process to assess a problem and design a solution.
- Students evaluate how technological systems can be improved and evolve over time.
- By examining global engineering challenges, students explore the impact of technology in society.
- Students explore copyright and trademark laws, including Fair Use, evaluating their impacts on technology and modern society.