**Biotechnology and Bioengineering**

**New Course for 2018-2019**

* 11th and 12th grade advanced science elective
* Honors Credit
* No prerequisites
* Project-Based Learning approach
* Instructor: Ms. Chung
* Highly recommended for students in the Foundations of Biomedical Science program.

**Explores how technology and engineering can used to address issues in health and biological sciences.**

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| **Human Factors Engineering**   * Can you build a chair out of cardboard that is strong and comfortable? | **DNA and Protein Synthesis**   * Who owns your DNA and what if they try to change it? |
| **Treatment of Disease**   * Can you design a mobile app that helps diagnose or treat diseases? | **Bionics and Prosthetics**   * Can you design a 3D printed hand and make it work? |

Tentative topics. Final curriculum will be planned and approved during the summer of 2018.