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