

Empower your students to solve medical mysteries.

Whether discovering new cancer treatments or teaching healthy lifestyle choices to their communities, today's biomedical science professionals are **tackling big challenges** to make the world a better place.

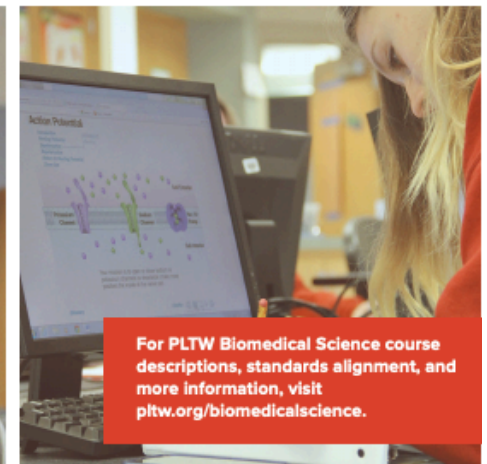
Through a sequence of courses that includes Human Body Systems and Biomedical Innovation, PLTW Biomedical Science students in grades 9-12 are taking on these same challenges – and they're doing it before they even graduate from high school.

Working with the same tools used by professionals in hospitals and labs, PLTW Biomedical Science **students step into the roles** of medical investigators, surgeons, microbiologists, geneticists, and biomedical engineers. They explore realistic situations like investigating the death of a fictional person and analyzing prevention, diagnosis, and treatment of disease.

The program's collaborative, hands-on explorations **inspire students** to discover the diversity of biomedical science careers and empower them to develop the knowledge and skills to make their life-changing ideas a reality. A few ways PLTW Biomedical Science students are applying their learning to make a difference:

- Designing and developing prosthetic limbs
- Creating public service campaigns on topics such as bullying and community health hazards
- Developing bloodwork innovations now adopted by Johns Hopkins
- Conducting studies on the benefits of mobile health clinics

Just imagine what your students can do.



Students in the Haverhill High School Project Lead The Way Biomedical Pathway would enroll in the following course sequence:

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| • Grade 9 - Introduction to Biomedical Science | + | Biology |
| • Grade 10 - Human Body Systems | + | Chemistry |
| • Grade 11 - Medical Interventions | + | Advanced Placement course OR Science elective |

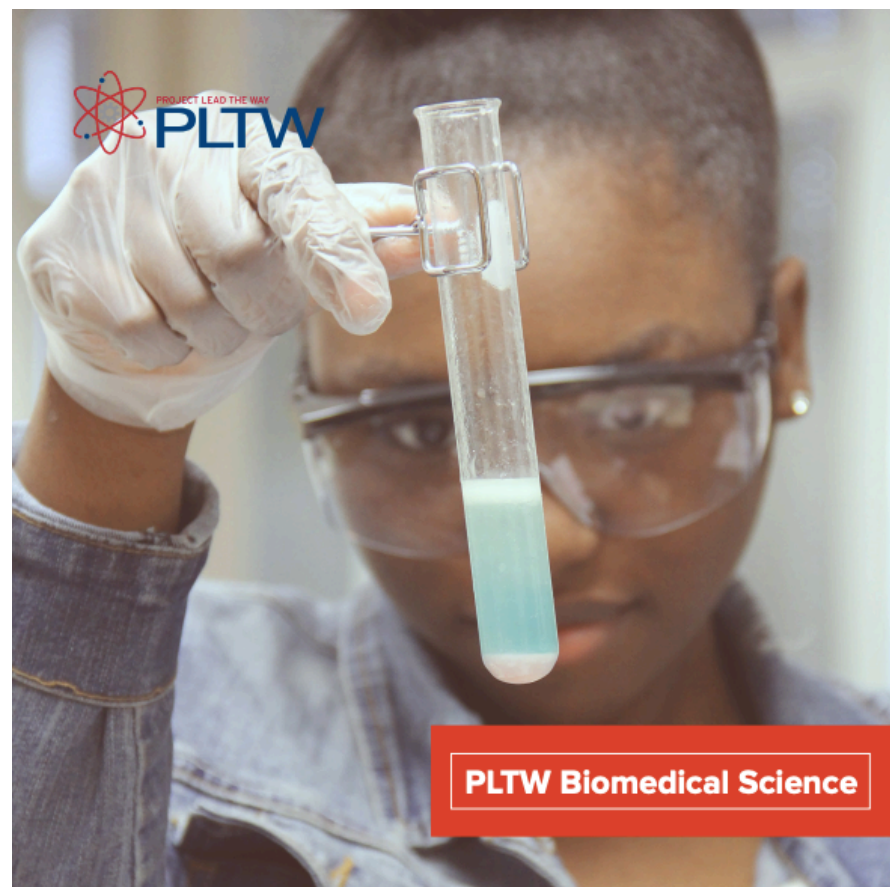
Students who complete a three course pathway (1 PLTW course + 1 Advanced Placement course + 1 additional PLTW or AP course) and earn qualifying scores will be eligible for the AP + PLTW student recognition award!!



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