



## Approved Innovative Course

- *Districts must have local board approval to implement innovative courses*
- *Innovative courses may meet state elective credit only*
- *CTE Innovative courses may not be the final course in a coherent sequence for an endorsement*
- *Course requirements must be met without modification*

*Course: Human Body Systems*

*PEIMS Code: N1302093*

*Abbreviation: HUMBODSY*

*Grade Level(s): 10-12*

*Number of Credits: 1.0*

### *Course description:*

In the Project Lead The Way [PLTW] Human Body Systems (HBS) course, students examine the interactions of body systems as they explore deeply biological identity, communication, power, movement, protection, and homeostasis. Through individual and team activities, projects, and problems, students design experiments, investigate the structures and function of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiration.

Exploring science in action, students build organs and tissues on a skeletal manikin, work through relevant real world cases, and often assume the role of biomedical professionals to solve medical mysteries. Throughout the PLTW HBS curriculum students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication and other professional skills.

### *Teacher qualifications:*

An assignment for Human Body Systems is allowed with one of the following certificates as well as successful completion of the Project Lead The Way's Core Training requirements for Human Body Systems.

PLTW Core Training:

PLTW's Core Training requires approximately 90 hours of instruction led by PLTW approved Master Teachers. Course mastery is demonstrated by the submission and approval of a course portfolio that meet's PLTW's requirements. After successful completion of Core Training, teachers receive access to the National PLTW Engineering Professional Learning Community, course-specific student and classroom instructional resources, and Ongoing Training resources through the PLTW Content Management System.



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- Health Science: Grades 6-12.
- Health Science Technology Education: Grades 8-12.
- Vocational Health Occupations.
- Vocational Health Science Technology.
- Secondary Biology (Grades 6-12)
- Secondary Science, Composite (Grades 6-12)
- Secondary Science (Grades 6-12)
- Life Science: Grades 7-12
- Life Science: Grades 8-12
- Legacy Master Science Teacher
- Mathematics/Physical Science/Engineering: Grades 6-12
- Mathematics/Physical Science/Engineering: Grades 8-12
- Science, Technology, Engineering, and Mathematics: Grades 6-12
- Science: Grades 7-12
- Science: Grades 8-12
- Chemistry: Grades 7-12
- Chemistry: Grades 8-12
- Secondary Chemistry (Grades 6-12)
- Trade and Industrial Education: Grades 6-12. This assignment requires appropriate work approval.
- Trade and Industrial Education: Grades 8-12. This assignment requires appropriate work approval.
- Vocational Trades and Industry (Grades 6-12). This assignment requires appropriate work approval.
- Vocational Trades and Industry Pre-Employment Laboratory (Grades 6-12). This assignment requires appropriate work approval.
- Vocational Trades and Industry Co-op (Grades 6-12). This assignment requires appropriate work approval.

### Additional information:

Districts may use these courses only with the approval of Project Lead The Way. All requirements of Project Lead The Way must be met. Please contact Project Lead The Way directly for these requirements:



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