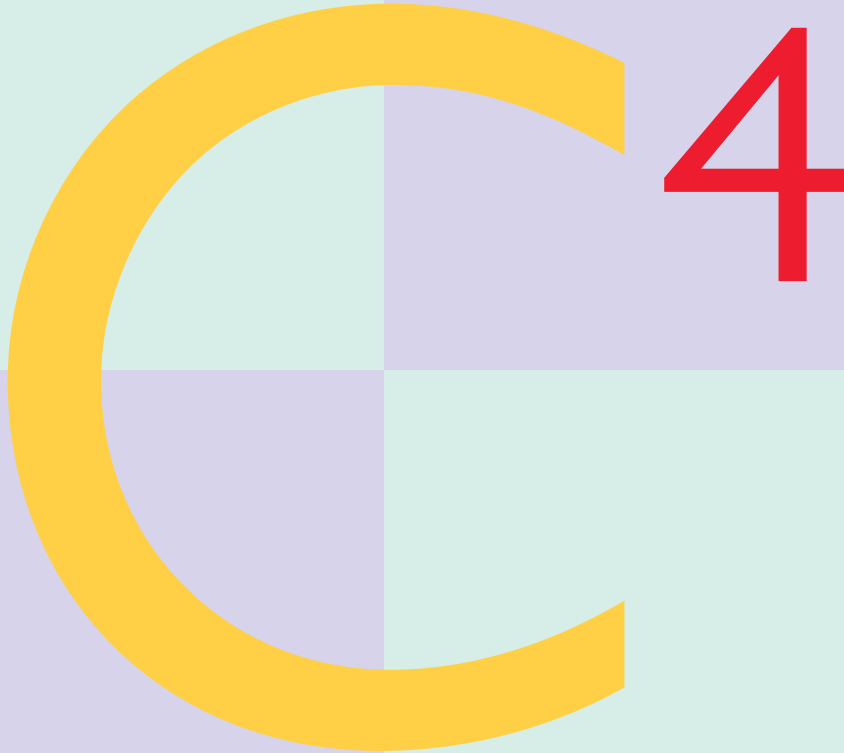


C⁴ Yourself



Project Lead the Way- Pre-Med (PLTW)

Is This You?

- Do you like to help others?
- Do you want to explore careers in health sciences?
- Do you want to learn about the human body using math and science?
- Do you want to learn medical terminology?
- Do you want to design and conduct experiments related to disease diagnosis?
- Do you have an interest in medicine or science as a career?

Take This Class and You Will...

- Explore Principles of the Biomedical Sciences (PBS) (Students investigate various health conditions. They determine the factors leading to the death of a person through hands-on research processes. This provides an overview for all future Biomedical Science courses)
- Explore Human Body Systems (HBS) (Students examine the interactions of the human body systems. Students design experiments, and use state of the art data acquisition software to investigate the structures and functions of the human body. Students will work through interesting and challenging real world medical cases by playing the role of a biomedical professional, solving the medical mysteries.)
- Explore Medical Interventions (MI) (Through hands-on learning students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when organs of the body begin to fail.)
- Biomedical Innovation (BI) (Students design and conduct experiments related to diagnosis, treatment, and prevention of disease or illness. Students will apply their knowledge and skills to answer questions or to solve problems related to the biomedical sciences. Students will work to investigate public health issues and forensic autopsy. Students will have the opportunity to get on-the-job training.)
- Acquire strong communication practices, problem solving skills, and critical thinking abilities.
- Earn Science Class credit.
- Work individually and as part of a team.
- Explore career opportunities and post-secondary studies.

Ivy- Pre-Med (PLTW)

Student Leadership/Community Opportunities

- Health Occupations Students of America (HOSA), including competitions
- Special Projects
- Student Advisory Committee

C⁴ Cluster: Health Science Education

State College and Career Pathway: Biomedical

Opportunity for Dual Credit and/or Certification

- Ivy Tech Dual Credits available
- CPR/AED/First Aid for the Professional Rescuer

Prepare For a Career in...

- Science
- Medicine
- Dietary Science/Nutrition
- Health Research
- Hospital Administration

Post-Secondary Options

- Ball State University
- Indiana State University
- University of Southern Indiana

Employment Opportunities

- Doctor's Office
- Hospital
- Pharmaceutical Company
- Medical Research Organization

Additional information

www.pltw.org

Do you want to take a class in this pathway? Then check out the following C⁴ classes.

Grade 9-12

- T56101: Principles of Bio-Medical Sciences

Grade 10-12

- T56201: Human Body
- T56612: Dental Careers
- T56712: Health Science Education: Nursing
- T56512: Veterinary Careers

Grade 11 & 12

- T56211: Medical Terminology
- T56301: Medical Interventions

Grade 12

- Bio-Medical Innovations

C⁴ Directory

Gene Hack, C⁴ Director (812) 376-4240

Teresa Weichman, C⁴ Counselor (812) 376-4433

Becki Combs, C⁴ Team Leader @ Columbus North (812) 376-3818

Tim Mc Nealy, C⁴ Team Leader @ Columbus (812) 376-4227

Check out our website-www.bcsc.k12.in.us/c4