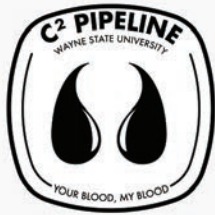


YOUR BLOOD, MY BLOOD



Students will learn about the science of blood. They will participate in activities that study blood cells, the heart cycle, and even plan and facilitate a blood drive at their school.

WHAT ARE DIGITAL BADGES?

Digital Badges are a micro-credentialing tool that illustrates you have achieved a high level of proficiency in your chosen enrichment.

The badges will appear on your transcripts, allowing colleges and potential employers to review your accomplishments and acquired skills.

HOW LONG DOES IT TAKE?

Each badge has its own set of activities, so time commitment varies. Generally, most badges require at least 10 weeks of participation. See your Site Coordinator for specific badge time requirements.

HOW DO I GET INVOLVED?

For the badges listed in this catalog, you must first be a registered C2 Pipeline student, enrolled in the Health & Human Services Pathway.

Alert your Site Coordinator that you want to work towards the digital badge that interests you. You can only work on one digital badge in this pathway at a time.



WAYNE STATE UNIVERSITY

C2 Pipeline is a Wayne State University
College of Nursing S.T.E.M. Accredited and
Certified Program

Funded by a 21st CCLC Grant through the
Michigan Department of Education



CONTACT

Visit our home on the web at
www.c2pipeline.wayne.edu

For questions about our program, call us at
313-577-1847 or email us at
c2pipeline@wayne.edu

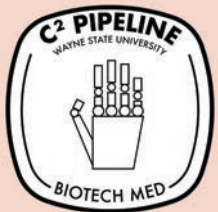


Wayne State University C² Pipeline Digital Badge Catalog



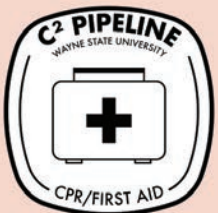
ANATOMY IN CLAY

Students are introduced to the anatomy and chemistry of the human body. They will explore and construct each of the body systems by completing hands-on projects.



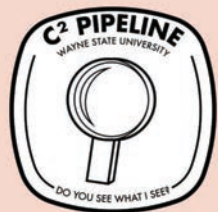
BIO TECH MED

Students are introduced to ways in which engineers use science and math to create technology capable of seeing inside the human body—bio imaging. Students will also explore and design prosthetic limbs to improve the quality of life for those with disabilities.



CPR/ FIRST AID

In this enrichment, student learn how to perform CPR and basic first aid techniques that could assist them in saving a life.



DO YOU SEE WHAT I SEE?

Students are engaged throughout this unit with various activities that explore optical illusions, color perception, color-blindness, and diversity of vision across species. After examining the physical properties of light and the structure of the function of the eye.



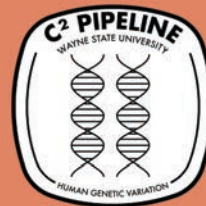
EMPOWERMENT IMPROV

Empowerment Improv was developed to give high school students an opportunity to address tough situations that they may be faced with while in a safe environment. Students are given scenarios and "act" them out using guidelines make these sometimes uncomfortable topics safe and fun.



FORENSIC SCIENCE

Students take on the role of crime scene investigators to solve a murder. They integrate math, science and language arts into the study of forensic science and associated health science careers such as pathology and medical examination.



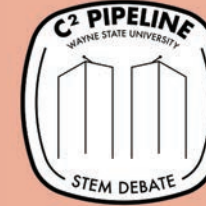
HUMAN GENETIC VARIATION

Students complete activities to study differences among humans. They will also learn how geneticist develop practices that can aid the study of human diseases, by examining the relationship between basic science and personal and public health.



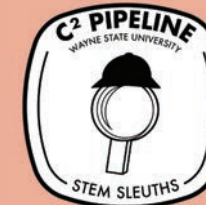
SCIENCE OF ALCOHOL

Students will understand how the use of alcohol effects their brains, organs and the risks associated with its use. By analyzing its physical and chemical properties, students will determine the short-term and long-term effects of alcohol on body systems.



STEM DEBATE

Students learn the techniques of proper debate including the true meaning of arguments, cross examination, evidence, fallacy, refutation, resolution and warrant. They learn all of this using STEM topics.



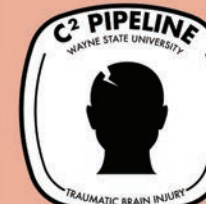
STEM SLEUTHS

Students who participate in this enrichment complete hands-on activities to learn about their immune system and how it protects them from infections disease.



STEPS

In this enrichment, students develop skills and knowledge in physical education and nutrition. Students enjoy fun and interactive learning experiences using a variety of methods such as: games, case scenarios, cooking demonstrations, and fitness challenges.



TRAUMATIC BRAIN INJURY

Students will engage in activities that will give them a detailed look into the anatomy of the brain and how it is effected by an injury. Special attention is given to sports related injuries. Students will dissect a sheep brain.