Michigan’s Work-Ready Transcript:
A statewide, comprehensive learner record of work-ready achievement for presenting meaningful credentials to employers and post-secondary institutions in support of competency-based, lifelong learning, and career-success.

Bruce Umpstead
Director, State Engagement
IMS Global Learning Consortium
bumpstead@imsglobal.org
517.290.6084

Mary Sutton
Executive Director
Michigan After-School Partnership
msutton@uwmich.org
517-371-4360

Michigan House of Representatives
School Aid and Department of Education
Subcommittee
March 4, 2020
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Attachment 2: Wayne State University C2 Pipeline + Tallo Certified Resume
Mike Rowe’s Letter to the Last Two Presidents
http://insider.foxnews.com/amp/article/54635

"There's a belief ... in the country that we can cure unemployment by creating opportunity," Rowe said. "The skills gap proves that opportunity alone is not enough to get people employed." – Mike Rowe, Dirty Jobs

Bottom Line:

- Not much changed from 2007 to 2020.
- Despite Michigan’s $100 Million in Marshall Plan for Talent, students don’t have a way of presenting their work-ready skills on their 2020 transcripts.

Employers aren’t asking for our students’ high school transcripts.
The Problem with Educational Software

Education software DOES NOT track by work-ready skills and competencies. Our transcript system, gradebooks, and student information systems meet CURRENT MARKET DEMAND. Unfortunately, K12 innovators only discover the software issues after they are SEVERAL YEARS into their redesign.

Where does the Work-Ready Skills go—especially for After-School and Out-of-School Credentials?
Why Afterschool & Out-of-School Programs

Time and Opportunity Matter

MASP is a coalition of statewide stakeholders with a vision that all Michigan students will have access to the opportunities and experiences to help them be successful in school and as future contributing members of a thriving workforce and community.

Youth spend less than 20% of their waking hours in school and more than 80% in non-school settings (Banks et al., 2007).

Out of school time hours provide significant opportunity to have a positive impact on student’s engagement, experiences and opportunities. Afterschool programs take place during afterschool hours, before school, or during school holidays and the summer. These programs have, in many ways, increased flexibility that can be maximized to provide opportunities for students to engage in career readiness in authentic and engaging settings. For Michigan students to thrive today, they must have opportunities to develop, practice and demonstrate a wide array of skills and abilities.
Each day throughout our state, over 200,000 students are engaging in hands-on, experiential learning through afterschool programs that focus on technology, sciences, arts, and other areas that engage and interest them. Through programs like Youth in Government with the YMCA, First Robotics, Scouting, Renewable Energy Summer Camps at MSU with 4H and exploring career pathways at the C2 Pipeline at Wayne State University kids get excited, develop confidence and develop passions about their learning.

The Jackson Area Manufacturing Association has partnered with schools, community and industry members in the region to create opportunities in afterschool and summer as part of a comprehensive strategy to build a pipeline for manufacturing jobs in the region. These students are learning real skills, competencies and given the opportunity to apply knowledge and master skills learned in the classroom. These programs are helping them develop 21st century skills through opportunities for leadership, teamwork, critical thinking and problem solving.

Students from historically underserved backgrounds and low-income families especially benefit from these programs and help to level the playing field by making these experiences available to students who may otherwise not have access to them during the school day or on their own after school or in the summer.

C2 Pipeline at WSU is a 21st CCLC afterschool program exposing students to careers and awarding badges to students who demonstrate achievement. (Please see Attachment 2 to this briefing document.) They are able to earn a variety of badges aligned with career pathways that demonstrate the skills and experiences gained in the program. Likewise, First Robotics participants have earned over 15,000 badges in Machining, Programming, CAD, Electronics, Engineering Design and Partnerships and Leadership.

We know in our approach to solving some of the tremendous challenges we face in our education system that we need to create opportunities to nourish the whole child. Significant investments are being made in each end of the education spectrum from early childhood through college and career transitions. Investments in afterschool and summer learning programs need to be a documented part of every student’s educational experience.
Supporting and educating students requires acknowledgement of the entirety of their unique skills, abilities and experiences. That acknowledgement of the totality of a student’s competencies provides a currency that is only realized if those skills are seen and presented as a complete picture of the student and recognized.

First Robotics: 15,000 + badges have been awarded

Examples of Badge offerings in programs include:
- Machining
- Programming
- Communications
- Leadership
- CAD
- Electronics
- Engineering and Design
- Entrepreneurship
- Financial Literacy
- Biotech Med
- Forensic Science
- Green Architecture
Michigan Crossroads Council

The Boy Scouts of American and Michigan Crossroads Council is invested in introducing and preparing our Scouts for successful careers, also as lifelong learners. We already provide our Scouts and troops with a platform to track their Scouting experiences and badges digitally through a program called Scoutbook, but how do we enable them to share their achievements and learning with colleges, universities, and employers? A work-ready transcript promises to provide the technology bridge for sharing this good work. It takes a community to help parents raise a child, we're ready -- let's collaborate and get this done!

— Don Shepard, Scout Executive/CEO

Michigan’s Children

For young people who find themselves struggling to graduate in four years due to challenging life circumstances, including students experiencing poverty, foster care, homelessness, or juvenile justice, expanded learning opportunities through afterschool and summer learning programs take on critical importance in helping them build concrete skills, from teamwork to specific professional skills, while connecting them with college and career opportunities. Unfortunately, many of the valuable skills and experiences young people gain in these programs go unrecognized as evidence of their learning because they are not found on a transcript.

— Matt Gillard, President & CEO
The Michigan Seal of Biliteracy

The Michigan Seal of Biliteracy has been created to recognize high school graduates who exhibit language proficiency in English and at least one additional world language. The Seal may be awarded to any student receiving a high school diploma, a high school certificate of completion or a high school equivalency certificate and who has demonstrated Intermediate High proficiency on acceptable world language assessments. The Seal has been created to encourage students to study world languages and embrace their native and heritage languages. The Seal will provide employers with a way to identify individuals with strong language and biliteracy skills. The Seal may serve as an additional tool for colleges and universities to recognize applicants’ language abilities for admission and placement.

It’s about Career Readiness.

In a recent survey of U.S. employers, 66% reported valuing foreign language skills in the hiring process, and 41% reported giving preference to multilingual job candidates (Damari et al., 2017). In Michigan, international trade-related jobs grew 17% from 2004 to 2014 while total employment declined 1% (Business Roundtable, 2015). There is also a growing need for bilingual employees across a wide range of occupations, regardless of educational requirements or salary (New American Economy, 2017). The Michigan Seal of Biliteracy serves as an endorsement to employers that a high school graduate enters the workforce with highly desired skills in more than one language.

Source: https://www.michigan.gov/mde/0,4615,7-140-81351-456570--,00.html
Deploying Work-Ready Transcripts

This project proposes to provide the Michigan Center for Educational Performance & Information (CEPI) with three years of grant funding to establish work-ready transcripts.

**Michigan’s Work-Ready Transcript**
A statewide, comprehensive learner record of work-ready achievement for presenting meaningful credentials to employers and post-secondary institutions in support of competency-based, lifelong learning, and career-success.

1. **Demonstrate Models of Work-Ready Credentials on Existing eTranscript Systems**

2. **Establish a Comprehensive Learning Record (CLR) infrastructure so any program, school districts, and eTranscript service can deliver work-ready transcripts.**
Example 1: Enhanced College Transcript

Traditional Look with Links to “What was Learned”
Example 2: Competency-Based Transcript

Reimaged & Audience-Specific Rendering
Example 3: Global Experiential Transcript

Visual & Experiential
### Example 4: Talent 2025 – Employability Skills

<table>
<thead>
<tr>
<th>Basic Employability Characteristics</th>
<th>Functional Stability</th>
<th>Critical Thinking</th>
<th>Information Skills</th>
<th>Total</th>
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<tbody>
<tr>
<td>Mental Health</td>
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<td>Physical Abilities Related to Job Performance</td>
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<td>Dependability, Commitment to Doing the Job Correctly and Carefully, and Being Puntual, Cooperative, Responsible to Others, Easy to Get Along With, and Having a Preference for Assisting Other Organizational Members</td>
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<td>Obtain Problem Solving, Judgment and Decision Making</td>
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Date: March 4, 2020  
To: Michigan House Oversight Committee  
From: Matt Gillard, President & CEO  
matt@michiganschildren.org or (517) 485-3500  
RE: Digital Credentialing

Thank you for the opportunity to provide testimony regarding the digital badging pilot. Michigan’s Children is an independent nonprofit dedicated to advocating for public policies in the best interests of children and families, from cradle to career, especially those who face significant challenges. We determine our priorities based on the lived experiences of children, youth, families, and those who serve them, as well as research, data, and policy analysis. During our 2018 youth-led candidate forums, our candidates fielded questions from middle- and high-school aged youth as well as adult education students which touched on the need to prioritize connecting young people with a number of skill-building and expanded learning opportunities.

For young people who find themselves struggling to graduate in four years due to challenging life circumstances, including students experiencing poverty, foster care, homelessness, or juvenile justice, expanded learning opportunities through afterschool and summer learning programs take on critical importance in helping them build concrete skills, from teamwork to specific professional skills, while connecting them with college and career opportunities. Unfortunately, many of the valuable skills and experiences young people gain in these programs go unrecognized as evidence of their learning because they are not found on a transcript.

The IMS Global Digital Credentialing project will help recognize all kinds of learning, including technology skills, teamwork skills, and more, on the transcripts of students. The work being done to make these connections will help increase the employability of Michigan’s growing workforce and help employers identify specific applicant skills. We believe that funding for this pilot is quite appropriate given the system-wide benefits, and potential benefits for educational equity, that this project will incur.

We thank you for the opportunity to share our testimony with your committee, and look forward to continuing to work with our elected officials to make public policy decisions in the best interests of children, youth, and families.
### Digital Badges

**Certified**

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<th>Digital Badges</th>
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### General Session SEL/Soft Skills/Life Skills

- Personal Finance Literacy
- Leadership
- Communication
- Critical Thinking
- Ethics
- Positive Self-Concept
- Self-Control & Self-Motivation
- Team Building
- Entrepreneurship
- College & Career Prep
- Academic Skills
- Character
- College & Career Prep
- Communication
- Computer Literacy
- Customer Service
- Ethics
- Financial Literacy
- Higher Order Thinking
- Leadership
- Other
- Positive Self-Concept
- Self-Control & Self-Motivation
- Social Skills
- Team Building
- Entrepreneurship
- College & Career Prep
- Academic Skills
- Character
- College & Career Prep
- Communication
- Computer Literacy
- Customer Service
- Ethics
- Financial Literacy
- Higher Order Thinking
- Leadership
- Other
- Positive Self-Concept
- Self-Control & Self-Motivation
- Social Skills
- Team Building

### Engineering/Technology

- 3D Printing & Design
- Alternative Transportation (Need for Speed)
- Audio Engineering
- Bio Tech Med (Biomedical Engineering)
- Rube Goldberg
- Computer Science, Code & Beyond
- Drones
- Explore It, Design It
- Fashion Engineering
- Green Architecture (earth Powered Engineering)
- Podcasts
- Anatom in Clay
- Bio Tech Med (Biomedical Engineering)
- Forensic Science
- Empowerment Improv
- Human Genetic Variation
- STEM Busters / Myth Busters
- STEM Debate
- Bio Tech Med (Biomedical Engineering)
- Empowerment Improv
- Human Genetic Variation
- STEM Busters / Myth Busters
- STEM Debate

### Health & Social Services

- CPR / First Aid
- Traumatic Brain Injury
- Your Blood, My Blood
- Tissue Engineering
- Science of Alcohol
- Do You See What I See
- Independent Study
- Anatom in Clay
- Basic Photography w/o Dark Room Access
- Chemical Engineering
- Forensic Science
- Green Architecture (earth Powered Engineering)
- Human Genetic Variation
- STEM Busters / Myth Busters
- STEM Debate
- Bio Tech Med (Biomedical Engineering)
- Empowerment Improv
- Human Genetic Variation
- STEM Busters / Myth Busters
- STEM Debate

### Business

- Entrepreneurship
- College & Finance
- Empowerment Improv
- Fashion Engineering
- Math Carnival
- Personal Finance Literacy
- SAT Prep
- Skills to Pay the Bills
- STEM Chess
- LinkedIn 101
- People Who Code
- Audio Engineering
- Podcasts
- Anatom in Clay
- Basic Photography w/o Dark Room Access
- Chemical Engineering
- Forensic Science
- Green Architecture (earth Powered Engineering)
- Human Genetic Variation
- STEM Busters / Myth Busters
- STEM Debate
- Bio Tech Med (Biomedical Engineering)
- Empowerment Improv
- Human Genetic Variation
- STEM Busters / Myth Busters
- STEM Debate

### Science

- Entrepreneurship
- College & Career Prep
- Academic Skills
- Character
- College & Career Prep
- Communication
- Computer Literacy
- Customer Service
- Ethics
- Financial Literacy
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- Higher Order Thinking
- Leadership
- Other
- Positive Self-Concept
- Self-Control & Self-Motivation
- Social Skills
- Team Building

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**2019/20**

*Wayne State University*

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(*) There is no badge available for this. Independent Study consists of tutoring/homework assistance.

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General Session must be done each day in General Session.

- At least one activity within a theme/category must be done each day in General Session – Record On Activity Planning Sheet Daily.
<table>
<thead>
<tr>
<th>STEM Lab Activities</th>
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<tbody>
<tr>
<td><strong>Science</strong></td>
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<tr>
<td>Physical Properties of Glass</td>
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<tr>
<td>Ballistics, Forensic Anthropology</td>
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<tr>
<td>DNA Forensics, DNA Fingerprinting</td>
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<tr>
<td><strong>Business</strong></td>
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<tr>
<td>3D Printing, Forensic Fire Debris Analysis</td>
</tr>
<tr>
<td>Evaporative Cooling, 3-D Printing, Document Analysis</td>
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<tr>
<td><strong>Health &amp; Social Services</strong></td>
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<tr>
<td>Forensics, Document Analysis</td>
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<tr>
<td><strong>Engineering/Technology</strong></td>
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<tr>
<td>Bio-Printing, Biotechnology</td>
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<tr>
<td>Nuclear Science, Nuclear Science 2</td>
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</tbody>
</table>
| 2019/20 C³ Pipeline Pathways

**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 Century Grant through the Michigan Department of Education. For questions about our program, call us at 313-577-1847 or email us at c2pipeline@wayne.edu. Visit our home on the web at www.c2pipeline.wayne.edu.

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

COLLEGE & FINANCE
Students are assisted in applying to colleges and writing essays for acceptance. They learn how to apply for scholarships, grants and loans. They will also complete the FAFSA.

EMPOWERMENT IMPROV
Developed to give students an opportunity to address tough situations that they may face. Students are given scenarios and “act” them out using guidelines to make these sometimes uncomfortable topics safe and fun.

ENTREPRENEURSHIP
Students learn the basics of starting their own business. They will write a business plan, learn about financing and the work it takes to become their own boss.

FASHION ENGINEERING
Making technology and engineering accessible for those interested in art, crafting and visual design. Learn approaches to design and composition; consider geometric patterns; learn methodological procedures used in engineering, architecture and other skilled arts.

LINKEDIN 101
Students will understand how to complete a professional profile on LinkedIn. Upload your resume, professional photo, complete the education section, create a summary, join groups and add connections to his/her network.

MATH CARNIVAL
Students participate in activities that help them to understand math concepts such as: probability, statistics, prime numbers, algebra and much more.

PEOPLE MATTER ECONOMICS
Students will understand how the economy relates to our lives and the difference between democracy as a political system and capitalism as an economic system.

PERSONAL FINANCE LITERACY
Students develop skills and strategies that promote personal and financial responsibility that relates to financial planning, saving, investments and charitable contributions.

SAT PREP
Students participate in practice activities in order to better prepare them for the SAT test. They will explore the format of the test, learn test-taking tips, and have the opportunity to study SAT content.

SKILLS TO PAY THE BILLS
This enrichment consists of activities designed to get young people thinking about, practicing and discussing skills important for career and personal success. They will study many areas including communication.

STEM CHESS
Students will not only learn how to play the game of chess but also the mathematical strategies behind the game that will allow you to play like a pro! By the end of the enrichment, you will be prepared to battle other C2 Pipeline students with your mad chess skills.
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 transcript and will be recognized by colleges and potential employers. To earn your digital badges, you must first be a registered C2 Pipeline student, enrolled in the Engineering-Technology 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 at a time; you must complete all activities to earn your badge. 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.

For questions about our program, call us at 313-577-1847 or email us at c2pipeline@wayne.edu. Visit our home on the web at www.c2pipeline.wayne.edu.

Digital Badge Catalog

C2 Pipeline
Wayne State University
**SECONDARY HEADING**

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**3D printing and modeling projects empower students to take chances and make mistakes. Students will be introduced to 3D printing and learn how to create their own print files.**

**Students harness the power of the sun by learning about and designing their own solar cars. Students will also design and test several cars with various propulsion systems. They will explore modifications that meet design objectives and improve performance.**

**Students will learn the science of sound waves, use of industry standard recording equipment, experience with recording software and math involved with beats per minute. Students will also gain experience with technology used in the growing field of sound.**

**Students are introduced to ways in which engineers use science and math to create technology capable of seeing inside the human body—bio imaging.**

**Girls Who Code helps girls work together to design and code prototypes and products that address the issues they care about. Girls Who Code believes that all girls have the power to learn and love Computer Science.**

**Make technology and engineering fun and accessible for people with interests in art, crafting, and visual design. Students learn technical approaches to design and composition.**

**Electrical engineers work with other professionals to create products that are safe, efficient and high-performing. The first step in this path is to develop an understanding of electricity and how it powers our world. Students will investigate these principles and design experiments to explore and test their ideas.**

**Students will investigate three types of heat transfer, explore rainwater harvesting systems and water purification. Students will also learn about sustainable architecture, green building practices, and the principles of renewable energy. They will work together to design and build their own sustainable projects.**

**The growth of podcasts as an audio medium has opened up new opportunities for people to share their stories and ideas. Students will learn how to create their own podcasts by teaching principles of sound, editing and podcast software. Students practice and improve their personal management skills by prioritizing their time and self-managing podcast projects.**

**Podcasts**

**Explore it, Design it**

**Audio Engineering**

**3D Printing & Design**

**Girls Who Code**

**Fashion Engineering**

**Bio Tech Med**

**Green Architecture**

**3D Printing & Design**

**Computer Science**

**Electrical Engineering**

**Drones**

**Alternative Transportation**
Digital Badge Catalog
C2 Pipeline
Wayne State University

HOW DO I GET INVOLVED?

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 transcript or resume.

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.

WHY DO I GET INVOLVED?

This pathway at a time, you can only work on one digital badge in Pathway in the Health & Human Services Pathway. Your Site Coordinator can assist you in choosing a badge that interests you.

HOW LONG DOES IT TAKE?
Most badges require at least 10 weeks of participation. Generally, most badges are 10 weeks long.

FOR QUESTIONS ABOUT OUR PROGRAM, CALL US AT 313-577-1847 OR EMAIL US AT C2Pipeline@wayne.edu
Visit our home on the web at www.c2pipeline.wayne.edu

CONTACT

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

Wayne State University

Digital Badges

Wayne State University

Pathway in the Health & Human Services Program

Certified Program

College of Nursing S.T.E.M. Accredited and

Michigan Department of Education

Funded by a 21st CCLC Grant through the

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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.

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

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 structure of the function of the eye, students will dissect and study differences among humans. Students complete activities to learn about their immune system and how it protects them from infections disease.

Students who participate in this enrichment complete hands-on activities to 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 with STEM projects such as building a forensic science and medical examiners’ suite. Students will also learn about the various types of forensic science and the proper methods to examine and identify evidence. Students complete activities to learn about the immune system.

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.

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 hands-on activities to learn about the human body and its systems. Students complete activities to learn about their immune system and the proper techniques of proper debate including the true meaning of arguments, cross examination, evidence, fallacy, refutation, resolution and warrant. They learn all of this with STEM projects such as building a forensic science and medical examiners’ suite. Students will also learn about the various types of forensic science and the proper methods to examine and identify evidence. Students complete activities to learn about the immune system.

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Digital Badge Catalog

C2 Pipeline Wayne State University

HOW DO I GET INVOLVED?

HOW LONG DOES IT TAKE?

WHAT ARE DIGITAL BADGES?

Pathway Science 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 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

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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.

For the badges listed in this catalog, you must first be a registered C2 Pipeline student, enrolled in the Science 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 at a time; you can only work on one digital badge for a given digital badge.

In this pathway, all badges relate to each other. You earn badges and accumulate skills by moving through the College of Nursing’s S.T.E.M. Accredited and Certified Program. The badges will appear on your transcript.

Digital badges are a micro-credentialing tool that illustrates you have achieved a high level of proficiency in your chosen environment.
STEM DEBATE

The spirit of inquiry and mathematical analysis and scientific method are brought to life in the world around us. The STEM Debate will show you how to express your ideas with clarity and confidence in a debate. You'll be given a topic and a position, and you'll develop arguments and evidence to support your viewpoint. Students learn the techniques of logical reasoning, argumentation, and evidence presentation.

STEM BUSTERS

The Counterfeit Chemist is a hands-on activity that allows you to explore the world of forensic science. Students learn about the science behind the crime scene and how to use forensic techniques to solve crimes. They'll learn how to collect and analyze evidence, and they'll use this knowledge to create their own criminal investigations.

SCIENCE OF ALCOHOL

The Science of Alcohol is an activity that explores the effects of alcohol on the human body. Students learn about the chemistry of alcohol, its effects on the body, and the impact of alcohol on society. They'll also learn about the legal aspects of alcohol use and the importance of responsible drinking.

HUMAN GENETIC VARIATION

The Human Genetic Variation activity allows students to explore the diversity of human genetic traits. They'll learn about the science of genetics, including DNA structure, genetic variation, and genetic disorders. Students will use a computer program to analyze genetic data and learn about the genetic diversity of the human population.

BIO TECHNOLOGY

The Bio Technology activity introduces students to the field of biotechnology and its applications. They'll learn about the technologies used in biotechnology, including DNA manipulation, genetic engineering, and biopharmaceuticals. Students will use these technologies to perform experiments and learn about the potential applications of biotechnology.

AFTERSCHOOL UNIVERSE

The After School Universe is an activity that explores the universe and the science of astronomy. Students learn about the history of astronomy, the exploration of space, and the discoveries made by astronomers. They'll also learn about the latest developments in space exploration and the future of space travel.

GREEN ARCHITECTURE

The Green Architecture activity allows students to explore the principles of sustainable design and the use of green building materials. They'll learn about the science of materials, including their properties and sustainability, and how to apply these principles to the design of buildings. Students will use a computer program to design and evaluate green buildings.

FORENSIC SCIENCE

The Forensic Science activity introduces students to the science of crime scene investigation and the use of forensic evidence. They'll learn about the techniques used in forensic science, including DNA analysis, fingerprinting, and trace evidence, and how to use these techniques to solve crimes.

BIO TECH MED

The Bio Tech Med activity explores the relationship between medicine and technology. Students learn about the science of medicine, including the biology of disease and the development of medical treatments, and how technology is used to diagnose and treat illnesses. They'll also learn about the ethical considerations of medical technology.

ANATOMY IN CLAY

The Anatomy in Clay activity allows students to explore the human body through art. They'll learn about the anatomy of the human body, including the bones, muscles, and organs, and use clay to create 3D models of these structures. Students will also learn about the importance of art in science education.

BASIC PHOTOGRAPHY

The Basic Photography activity introduces students to the science of photography. They'll learn about the principles of light and color, the use of cameras and lenses, and the techniques used in photography. Students will use a digital camera to take photographs and learn about the process of developing and printing photographs.

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Memberships, Extracurricular Activities, and Hobbies

Voice of the Marching Captains | Other | 2019 - Present
Announcer and voice for the Waterford Kettering Marching Band

Link Crew Member | Other | Sep 2018 - Jun 2020

Oakland County Sheriff Cadet Program | Other | 2017 - Present

Waterford Kettering DECA Program | Other | 2017 - Present

Varsity Golf Team | Other | 2016 - 2020

Waterford Kettering Student Council | Other | 2016 - 2017

Waterford Kettering Volunteer | Other | 2013 - 2015
From 6th to 8th grade volunteered at Waterford Kettering at all sporting events for set up and tear down

Boy Scouts of America Exploring Program | Organization or Club

Work Experience and Responsibilities

Lunghamer Chevrolet | Porter | May 2019 - Sep 2019
Worked as a car porter for the service department

Waterford Kettering High School | High School Athletic Announcer | Sep 2016 - Present
Am the Sports Announcer at all home games at Waterford Kettering high school for football, basketball, soccer and any other events which an announcer is needed

Accomplishments

Decca State Competition - Top 5 | Award or Honor | Issued By: DECA | Issue Date: Mar 2020

Waterford School District "Select 50" | Award or Honor | Issued By: Waterford Kettering High School | Issue Date: Mar 2020

Captain Varsity Golf Team | Award or Honor | Issue Date: 2020

DAR Good Citizen Award and Scholarship | Award or Honor | Issued By: Daughters of the American Revolution | Issue Date: Dec 2019

DECA Overall Project Finalist Winner | Award or Honor | Issued By: DECA | Issue Date: Jun 2019

Executive Producer of School's Broadcasting Program | Award or Honor | Issue Date: Sep 2018
Education

Waterford Kettering High School | Expected Graduation: June 2020
Waterford, MI / United States of America

Test Scores

SAT Latest Score: 1010
- Math: 530
- Reading And Writing: 480

WORKKEYS Latest Score: -
- Applied Mathematics: 5
- Workplace Observation: 5
- Reading For Information: 5

Badges

CPR/First Aid | C2 Pipeline | Awarded: Oct 2019
Anatomy in Clay | C2 Pipeline | Awarded: Mar 2020
Bio Tech Med (Biomedical Engineering) | C2 Pipeline | Awarded: Mar 2020
Youth Council Leadership Badge | C2 Pipeline | Awarded: Mar 2020
Community Apple Days 2019 | Awarded: Mar 2020
3D Printing and Design | C2 Pipeline | Awarded: Mar 2020
2019 Wayne State Warriors Summer Residential Program | IPE Camp | Awarded: Mar 2020
Lights On Afterschool 2019 | Awarded: Mar 2020
Bio Technology | C2 Pipeline | Awarded: Mar 2020
Chemical Engineering | C2 Pipeline | Awarded: Mar 2020
Computer Science, Code & Beyond | C2 Pipeline | Awarded: Mar 2020

Career Interests

- Broadcast and Sound Engineering Technicians
- Police Officers

Location Preferences

- Michigan