



Advisory Committee Meeting #1

October 24, 2023 | 5:00 | Meeting called to order by Sam Anderson

In Attendance

John, Emily, Chris, Ned, Sam, Aubrey

Old Business

- 4-year Plan Review
 - Staffing changes- Ed Retired, Aubrey hired
 - New Course- Digital Electronics

Advisory Committee (Yearly Housekeeping Items)

A) **Elect Chairperson(s)** – This person will also attend the General Advisory Committee (GAC) Meetings.

Chairperson assigned: John Casselman

B) **Set Advisory Meetings Dates, Time and Place**

a. Meeting between January 9th and February 10th, 2024

Date: 2/6/2024 Time: 6PM Place: Zoom

b. Meeting between April 10th and May 12th, 2024

Date: Time: Place:

C) **Update Advisory Committee Member Roster**

ADVISORY COMMITTEE MEMBERS			
NAME	COMPANY	TITLE	EMAIL
Sam Anderson	PHS	Teacher	
Aubrey Anderson	LMS	Teacher	
Emily Larsen	WSU	Scholarly Assistant Professor	
Chris Dux	Avista	Operations Engineer	
John Casselman	SEL	Educational Outreach	
Ned Warnick	Design West Architects	Architects	

What is going well and what needs to be improved?

LMS:

- Students are engaged in learning and enjoying the hands-on approach to skill mastery.
- 38% of students identify as female, an increase from the previous year; getting closer to 50/50.
- CTSO- TSA
- PLTW- Driving curriculum for Automation and Robotics and Medical Detectives
 - Strong, research-based curriculum

PHS:

- Students learning about areas of engineering and its role in society
- Students learning about digital and analog circuits, sequential and combinational logic
- Students learning Java programming language
- 29% of students identify as female
- CTSO- Skills USA
- PLTW - Curriculum for Engineering Essentials and Digital Electronics, Application and high test scores may earn college credit in many universities across the nation

4 Year Plan/Program of Work

Review 4 year plan, set goals/make a plan for what will be achieved this year.

Program Goals

1	Create strong pathways between the middle school and high school courses
2	Increase student enrollment
3	
4	

Goal Action Plan Worksheet

Strategies & Action Steps	Responsibility	Timeline	Evidence of Effectiveness

Program Review & Approval

Instructor Approval – approval of current year’s instructors/suggestions for professional development.

Professional development needed at LMS:

- Automation & Robotics

- Medical Detectives
- Modeling & Design
- App Creators
- Coding in Minecraft

Motion Required

- Ned Moved
- John Secoded
- Motion Carries

Review Articulations

New Courses/Materials

Are there any classes/courses that you are submitting for approval for Spring semester and/or next school year? Are there any course materials you need for new/current courses?

Labor/Market Data

Determine a need for courses/programs based on labor market data.

[NuMetrics CTE Dashboard](https://www.onetonline.org/) source: <https://www.onetonline.org/>

Course Name	CIP Code	Relevant Labor/Market Data: Projected 2022- 2032		
		OCCUPATION	STATE DATA	NATIONAL DATA
Creative Coding and Electronics	141001			
Industrial Technology	210198	Computer Programmers	Projected Growth: +20%	Projected Growth: -11%
Gateway to Technology	149995	Software Developers	Projected Growth: +37%	Projected Growth: +26%
		Video Game Designer	Projected Growth: 39%	Projected Growth: 15%
		Computer Hardware Engineers	Projected Growth: +35%	Projected Growth: +5%
		Healthcare Diagnosticians/ Practitioners	Projected Growth: +23%	Projected Growth: +2%
Digital Electronics	149997			
Engineering Essentials	149992			
AP Computer Science	110201	Registered Nurses	Projected Growth: +16%	Projected Growth: +6%
Computer Drafting	151301	Biomedical Engineers	Projected Growth: +16%	Projected Growth: +5%

		Forensic Science Technicians	Projected Growth: +18%	Projected Growth: +13%
		Mechanical Engineers	Projected Growth: +0%	Projected Growth: +10%
		Electrical Engineers	Projected Growth -7%	Projected Growth 4%
		Electronics Engineers	Projected Growth 8%	Projected Growth 7%
		Architects		
		Structural Engineers		

Source: <https://www.onetonline.org/>

Next Meeting

2/6/2024 | 6PM, Zoom

Notes:

- Seek to gain college credit for non AP classes via U of I and WSU
- Numetrics/labor market data is not accurate based on Ad. Council
- Industrial Technology- what is that class?
- Drafting- Autodesk Fusion, Autodesk, AutoCAD, Solid Works, Inventor
 - Introduction to 3D Modeling
 - Simulation Modeling
- Avista- needs
 - Most jobs require a 4-year degree (engineers)
 - a few desk-based jobs
 - Technical job experience
 - Robust intern program
- Guest Speakers
 - Monthly
 - Via Zoom
 - What does their job look like?
- Job site visits
 - How do we get them out there to experience job sites
 - Virtual visits
- Tap into connections of WSU or PHS alum who might be interested in coming into visit with our kids
- Career Fair
 - booths with informal conversations
 - students self-identify where they want to go