



# PSD/LMS STEM Advisory Committee Meeting #1

Oct 24, 2022, 7:15 am

Date | time | Meeting called to order by

## In Attendance

Sam Anderson, Ed Davis, Kenji Yamamoto, John Cassleman

## Old Business

None.

## Advisory Committee (Yearly Housekeeping Items)

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

Chairperson assigned: Ed Davis

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

a. Meeting between January 9<sup>th</sup> and February 10<sup>th</sup>, 2023

Date: Time: Place:

b. Meeting between April 10<sup>th</sup> and May 12<sup>th</sup>, 2022

Date: Time: Place:

C) **Update Advisory Committee Member Roster**

### ADVISORY COMMITTEE MEMBERS

NAME	COMPANY	TITLE	ADDRESS	PHONE	EMAIL
Ed Davis	LMS	Teacher			
Sam Anderson	PHS	Teacher			
Kenji Yamamoto	SEL	Senior Engineering Manager			
John Cassleman	SEL	Program Manager			
David Hyatt	VMRD, Inc	Quality Control manager			

## Classes & CTSO Update

### What is going well and what needs to be improved?

LMS: Class sizes are 24 – an intentional reduction from last year to maintain safe working spaces for the students. Students are engaged and doing well. We do a Friday “Career Day”. CTSO for the year is the Technology Student Association.

PHS: Engineering Essentials has 21 and 22 students. Computer Science has 25 and 26 students and there are 12 in Drafting. SkillsUSA is the PHS CTSO. There are no competitions scheduled but there are plenty for the students to choose from.

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## 4 Year Plan/Program of Work

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

Four-year plan reviewed by the committee. JC suggested that we should be more specific and intentional with our 4-year plan. ED and SA will edit the plan for further review by the committee.

We discussed student diversity at LMS and PHS and how to increase the numbers of traditionally underrepresented students.

JC wanted to know the income diversity at PHS. Sam will look into it.

Program goals were reviewed and discussed.

SA stated that perhaps in the future the drafting class could be replaced by an AP-Computer Science class.

JC stated that aside from the SEL contribution to the CTE program they also have materials if they are needed for both PHS and LMS.

SA would like SEL visitors to his classroom – especially underrepresented people. Perhaps a visit via Zoom or Google Meets.

JC said he could speak with one of their folks in the SEL packaging group.

### Program Goals

1	Continue to promote underrepresented students with a goal of more females in STEM.
2	Add an introductory unit of HTML coding in the Electronics class at LMS.
3	Expand engineering and design courses at PHS partnering with SEL for Industry needs
4	Partner with WSU to offer dual credit for high school drafting and engineering courses

### Goal Action Plan Worksheet

Strategies & Action Steps	Responsibility	Timeline	Evidence of Effectiveness
Goal 1, Rebranding courses at LMS Posters showing underrepresented people as engineers Goal 2, 2022 Introduction to HTML	Davis	2022-2023	None, yet

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## Program Review & Approval

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

### **Motion Required**

JC moved to approve instructors.

**ED seconded**

**Motion passed.**

Review Articulations

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New Courses/Materials

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**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?**

ED/LMS: None

SA/PHS: Started the year with no supplies. Doing well now. Perhaps in the near future, there will be an expansion of engineering courses – several options are available. Possible replacement for the two drafting courses.

SA asked the committee if Autodesk and SolidWorks were suitable CAD programs for students to learn. KY responded that yes, these are good programs used at SEL.

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Labor/Market Data

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

[NuMetrics CTE Dashboard](#)

Course Name	CIP Code	Relevant Labor/Market Data, 2018 – 2028 Eastern Washington
Creative Coding and Electronics	141001	42 electrical and electronics engineers, 131 electricians, 27 data entry persons (HS degree), 10 CS teachers, 18 web developers, 55 software developers, 88 computer systems analysts, 54 IT positions, 29 electrical and electronic engineering techs, 25 electrical engineers, 18 electronics engineers,
Industrial Technology	210198	105 civil engineers, 81 mechanical engineers, 53 engineering techs, 38 mechanical engineering techs, 17 civil engineering techs
Gateway to Technology	149995	42 health specialties teachers, 550 nursing assistants, 473 registered nurses, 85 biological technicians, 73 pharmacy technicians, 62 medical assistants, 61 clinical lab techs, 58 pharmacists, 51 veterinary techs, 41 biological scientists, 31 veterinarians, 29 healthcare support workers, 24 pharmacy aides, 22 microbiologists, 19 nurse practitioners, 18 biochemists,
Drafting 1 and 2		
Engineering Essentials	140102	105 civil engineers, 81 mechanical engineers, 53 engineering techs, 38 mechanical engineering techs, 17 civil engineering techs
AP Computer Science and Programming		27 data entry persons (HS degree), 10 CS teachers, 18 web developers, 55 software developers, 88 computer systems analysts and 54 IT positions

**Motion Required**

**JC made a motion to accept the NuMetrics data as justification for the courses being taught at LMS and PHS.**

**ED seconded the motion and it was approved.**

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### Next Meeting

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January, 2023. Time and date to be determined.