



Fall 2022 Program Advisory Committee Minutes October 20, 2022

Program: Natural & Environmental Science

Members Present: Wayne C. Jalbert , Brad Perron, Rob Pelletier,
Emma Nicosia , Andrea Nicosia, Carole McCauley , Ryan O'Donnell ,
Lynn Fletcher , Joe Buttner

Program Facilitator: *Laura Gallant*

Committee Chair: *Brad Perron*

General advisory stuff:

Program Updates (enrollment, curriculum, equipment & projects/field work, etc.)

- class numbers, 18, 22, 16
- theory courses are mostly survey based
- Wayne has equipment that maybe can be donated
- pathway courses are new and not well developed in the curriculum
- Brad asking about equipment donation, pvc valves etc
- had grant opportunity and put together a last minute list
- Tony maybe a good idea to get a wish list going
- George is full time in CTE – **NOT ANYMORE**; George was pulled to teach a Theory/Pathway course during 9th /11th grade cycles
- Paul doing curriculum development and grant writing



Curriculum Bias/Programmatic Review

Emma Nicosia, student representative, stated that bias was not evident in the curriculum.

May need to look up the details of chemical storage especially for winkler titrations

Rob is going to set up a satellite accumulation area

What is our health and safety plan? Are we under OSHA?

Rob is registered lab safety inspector for ANSI and could probably inspect the school. So we probably don't have good enough first aid kits, and they are expired. There are OSHA requirements for this. Many other shops might be out of code on this. It's important to instill a safety culture.

Cooperative Education Update

2 students on coop. Emma at Nth Cycle in the cummings center, it's a metal recycling company. Amani at Haverill drinking water plant. Maybe intern at NOAA. New England aquarium didn't work out they are rigid about their internship. Maybe internship with Brad and Carole starting Jan. We don't provide transportation to coop this is an equity.

Employment Outlook/Industry Trends

-lack labor, entry level gaps, Rob hasn't received a resume in 1.5 years

-minimum wage is going up again

-transportation industry is having a huge shortage, especially class B with hazmat endorsement

-hazmat area people have gotten class B licences just to help out since so many are lacking

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Recommendations for Program *(including budget needs for FY24)*



Advisory

Board recommends removing the unused hot water heater and associated plumbing from the Aquaculture Center.

Chemical storage and disposal needs to be improved.

NES teachers should have time to create a wish list of equipment - to be prepared for grant opportunities (e.g., the grant put together at beginning of this school year).

What new water testing equipments should we get, continual testing is what most people do. Paul will come visit Ryan O. and get a sense of industry standard now.

We have a new YSI that has a DO meter.

If you do get a kit like YSI you need to budget for maintenance, and yearly calibration

We do water quality should we do water quantity?

Financial Fair Recruitment

-advisory board things this is a good idea. Laura will get back to the committee with this when she has more information as to whether their specific industries could be involved.

New Business

-education staff is getting new programs going up at Appleton, Joe Karr is on our PAC so we can keep going



ESSEX NORTH SHORE
AGRICULTURAL & TECHNICAL SCHOOL

-Paul has new movement going with food sustainability that can have cross connections with horticulture.

-large unused hot water heater in aquaculture center (taking up a lot of space) we will never use. The committee would like this removed (we have been trying for 7 years).

The meeting adjourned at (time): 7:55