

PETAC Meeting – Minutes from May 11, 2011

PRESENT: Dan Caron, Karen White, Thelma Brown, Bob Arredondo, Joan Fossum, Judy Houston, Rep Norm Majors, Kevin Shyne

ABSENT: Val Zanchuk, Michele Munson, Bob Henry, Greg Donald, Lisa Danley, Dean Cascadden,

- 1- **Review of minutes** from March 9, 2011 meeting. Under “Present” change type error of “Zal Vanchuk” to “Val Zanchuk”. Motion to accept: Kevin Shyne Second: Thelma Brown Abstain: Judy Houston All in Favor: All
- 2- **Introduction of our guest speaker, Dr. Yvonne Spicer**, Vice President of Advocacy and Educational Partnerships from the National Center for Technological Literacy, Museum of Science, Boston
 - Dr. Spicer gave the vision for the center (NCTL) and how it was founded. Dr. Spicer has been involved in education for decades as a technology teacher of architecture, a CTE administrator and has also worked with the Dept of Ed in Massachusetts. She has worked on the development of Science/Technology/Engineering standards
 - NH is one of 8 states with Engineering in Science standards in which Dr. Spicer helped to develop with the Dept of Education. In 2014, there will be a Technology and Engineering framework with NAEP as an assessment.
 - TEC Review is a researchable database of curriculum resources mapped to standards both nationally and in NH.
 - Other online resources for elementary curriculum. <http://www.mos.org/ele/>
 - Middle School – Building Math replacement units –It has WGBH Design Squad math units.
 - High School- Engineering the Future is for beginner students at low cost www.keypress.com/etf
 - The STEM plan for MA/FL/ME drives a three prong effect to encourage a plan for curriculum and teacher development. It becomes a line item for state education funding.
 - A discussion followed on whether there is a lead person at the governor’s office to spearhead a policy for STEM education?
 - There was a suggestion that Dr. Spicer present to the High Tech Council with Dan Caron
 - There was a discussion as to whether we should change the language in 188-E14 to include K-5 education. Rep. Majors would have to introduce the new legislation from May 25-June 8 for next year’s consideration. The members of PETAC were asked to read 188-E14, 15, and 16 to suggest any changes.
- 3- **Reports**-Kevin is currently working with 10 different school districts across the state to implement new engineering programs. Eight are for EbD and 2 are PLTW. About \$260,000 has been spent with \$200,000 of requests left to potentially approve. No money can go to the endowment fund. There is a discussion as to the possibility of the money being carried over but not yet decided. The funding was cut to \$100,000 from \$400,000. Michele Munson is away so the EPSCor report was tabled.

4- Unfinished Business

- a. Tech Ed Standards – Joan Fossum – they are still in rulemaking
- b. Endowment Fund – all set – just need the money.
- c. Engineering Survey – Michele was not present
- d. Tech Ed teacher certification – in rulemaking
- e. Ad Hoc committees-
 - i. Web-site – Kevin Shyne –will be taken over soon.
 - ii. Endowment Fund – Val was not present
 - iii. EbD/PLTW- need to get together to see if there is funding
 - iv. Tech Fest – Manchester is still interested. EPSCor grant funds for it yet?

5- New Business

- a. Kevin is looking up the information on membership. He will be obtaining a new list of membership requirements from the governor's office.
- b. Leadership of PETAC – it was suggested and approved that we keep the current members in place. Motion was made by Judy Houston and seconded by Rep. Majors. All voted in Favor. The members are:
Chair: Dan Caron
Vice Chair: Thelma Brown
Secretary: Karen White
- c. Engineering Conference Day – This day was held at SERESC as far as up to 5 years ago for various educators and guidance counselors, from elementary on up.
- d. Naval research grant ROV's – there was no further info on this.
- e. Running Start – complaints about the transferability of the credits. There continues to be ongoing discussions on this matter with Lisa Danley(DOE) and Chuck Annal(state board)
- f. STEM-NH NSF Grant – this work for grant applications is just beginning. NH is the only state in the country not to have gotten a National Science Foundation grant. There are 2 possible coming and there is no shortage of funds.
- g. Summer Meeting – Thelma offered for the meeting to be held at Energy Park in Manchester. There are 2 potential weeks that needed to be responded to for availability: Aug 9-11th or Aug 22-25th. We will be able to have lunch and a tour of the building. Please let Dan know which dates are best and we will choose the time when most can make it.
- h. The committee asked that a letter be sent to the NH STEM Math teacher of the year from 2010 to acknowledge her great achievement. Her name is Stephanie Wheeler from the Manchester School District. Karen will do so and send the letter to her.
- i. Rep Majors asked if we would consider other recognition awards or certificates for outstanding teachers and students in engineering programs. There are many groups that do so, such as "ED"ies, ITEEA and the Joint Commission of Engineering Societies.

Motion to adjourn at 10:52 by Kevin Shyne Seconded by Judy Houston
Please let Dan Caron know your availability for our summer meeting!