



## **MTEEA 2016 Resolutions September 23, 2016**

### **Acknowledgement Resolutions:**

MTEEA Board of Directors would like to thank teachers, administrators, boards of education, educational institutions, foundations, organizations, businesses and industries who have provided many long hours of their time and finances to support the many projects and student competitions for our students in Minnesota.

#### **A-16-1 - Fall Conference Planning Committee:**

MTEEA Board of Directors would like to thank the members of the Fall Conference Planning Committee for preparing and running a successful, 38<sup>th</sup> Annual Fall Conference.

#### **A-16-2 - Fall Conference Vendors:**

MTEEA would like to thank all vendors, displaying in the vendor show, for their contributions, software, hardware, and prizes for the 38<sup>th</sup> Annual Fall Conference.

#### **A-16-3 - Fall Conference Presenters:**

MTEEA would like to thank the many presenters who donated their time and resources at workshops and breakout sessions in providing valuable staff development and professional growth at the 38th Annual Fall Conference.

#### **A-16-4 - MTEEA Teachers:**

MTEEA would like to thank all Technology and Engineering Educators and Career and Technical Educators for providing technological literacy instruction in their classrooms and for their work on any after-school activities.

**A-16-5 - Administrators & Boards of Education:**

MTEEA would like to thank all middle school and high school administrators and their boards of education for their support of MTEEA teachers and their students in industrial technology/technology education and CTE programs. Their support is important for these programs to survive in the present educational structure. We encourage MTEEA teachers to invite them into their classrooms to show them what happens in their programs.

**A-16-6 - Educational Institutions or Organizations:**

MTEEA would like to thank the colleges and universities and other organizations for their contributions to MTEEA and our teachers. We want to thank them for providing workshops, tours, hosting meetings, and dinners for our MTEEA teachers. We thank the 4-year universities for their education for our future teachers.

- |  |                                   |
|--|-----------------------------------|
| Alexandria Technical College   | Mankato State University          |
| Anoka-Hennepin School District #11   | Minnesota Department of Education |
| Central Lakes College  | Minnesota Governor’s Office       |
| CREED  | Minnesota High Tech Association   |
| Dakota County Technical College  | MnACTE                            |
| Dunwoody College of Technology   | SciMathMn                         |
| Ewald Consultants  | Senator Franken’s Office          |
| Globe U./NTI   | St. Cloud State University        |
| Hennepin Technical College –North Campus                                     | St. Thomas University             |
| Hennepin Technical College –South Campus                                     | U of Minnesota                    |
| Kern Family Foundation   | UW Stout                          |
| Minnesota Center for Engineering & Manufacturing Excellence at MSU           |                                   |
| 360 Degree Center of Excellence Applied Engineering and Manufacturing at BSU |                                   |

**A-16-7 - MTEEA State Fair Exhibitors:**

MTEEA would like to thank the many students and teachers who participated and displayed at the Annual Minnesota State Fair. We would like to thank Sharon Manninen for her many hours and work as Coordinator at the State Fair. Thank you to Rod Tooley for his help during the State Fair.

**A-16-8 - Supporting Businesses and Industries:**

MTEEA would like to thank the many businesses and industries that have supported MTEEA and our teachers by sponsoring many of our student competition activities during the 2015-2016 school year. They have provided many contributions including funds and in-kind donations to our students and school programs.

- |                                |  |
|--------------------------------|--|
| Brainerd International Raceway | MN FIRST                                 |
| Briggs & Stratton Corporation  | Minnesota Precision Manufacturing Assoc. |

First Technologies  
Ford/AAA Contest  
Haldeman-Homme  
High Tech Kids  
Kelly Fuels  
Lockheed Martin

Minnesota Renewable Energy Society  
NIM Inc.  
Parametric Technologies Corporation  
Power Systems  
Real World Design Challenge

## **CURRENT RESOLUTIONS:**

### **C-16-1 - MTEEA alignment with the Standards for Technological Literacy:**

WHEREAS, there is no comprehensive K-12 plan for Career and Technical Education in place in Minnesota, and

WHEREAS, many administrators and Career and Technical Education teachers are looking for direction and help in developing new Career and Technical Education programs, and

WHEREAS, there is inadequate staff available from the Minnesota Department of Education to provide assistance with Career and Technical Education curriculum writing and local program development, and

WHEREAS, no funding is presently allocated by the Minnesota Department of Education for the purpose of Career and Technical Education curriculum development and

WHEREAS, members of the MTEEA have been using their own funds for Career and Technical Education curriculum writing, be it therefore

RESOLVED, that the Minnesota Department of Education provide the funds and staff necessary for the development and implementation of a comprehensive K-14 Career and Technical Education curriculum plan and the in-service training of instructors in the State of Minnesota to align with Standards for Technological Literacy.

### **C-16-2 - Teaching Career and Technical Education within the Minnesota Standards:**

WHEREAS, it is increasingly important that we have a technologically literate society and,

WHEREAS, Career and Technical Education deliver essential education to Minnesota students – including the support of Minnesota’s Academic Standards, be it therefore

RESOLVED, that all Career and Technical Education courses be taught by an appropriately licensed instructor, governed by the rules and regulations under the Minnesota Board of Teaching and be consistent with the Highly Qualified Teacher Requirements of the Federal No Child Left Behind legislation.

### **C-16-3 - Recognition of Career and Technical Education Programs:**

WHEREAS, the MTEEA believes that the needs of all students have not been addressed in the past and

WHEREAS, Career and Technical Education programs encourage students to make realistic career choices, be it therefore

RESOLVED that the MTEEA support State and national efforts to establish and strengthen Career and Technical Education and Minnesota Youth Apprenticeship programs.

### **C-16-4 - Minnesota use of Technology Education as a Program Title:**

WHEREAS, the MTEEA has adopted the name Technology Education to identify the discipline that it teaches, and

WHEREAS, the Minnesota Board of Teaching has assigned the name Technology Education to new licenses in our content area, and

WHEREAS, the ITEEA as the international professional association in Technology Education has formally adopted the name of Technology and Engineering Education, and

WHEREAS, the National Council for the Accreditation of Teacher Education (NCATE) has identified Technology Education as the name of the discipline for accrediting teacher education programs formerly referred to as Industrial Arts, Industrial Education and Industrial Technology, be it therefore

RESOLVED, that the department and or program titles used within Minnesota school districts at the middle and high school levels be Technology and Engineering Education.

### **C-16-5 - Recruitment of Technology Education Teachers:**

WHEREAS, the number of position openings annually in Technology Education in Minnesota significantly outnumbers the number of teacher education graduates in Minnesota, and

WHEREAS, school districts are finding it increasingly difficult to hire appropriately licensed technology teachers, and

WHEREAS, the shortage of qualified technology teachers is also occurring at the national level, be it therefore

RESOLVED, that the MTEEA membership supports and encourages the efforts of the universities in Minnesota that prepare Technology Teachers, and encourages high school students to consider entering the technology teaching profession. Be it further resolved that MTEEA, the Department of Education, and other business and industry partners will work to eliminate the barriers to the critical shortage of Technology and Engineering Teachers in Minnesota so that students will continue to experience and have access to quality programs.

**C-16-06 - MnACTE Membership:**

WHEREAS, MTEEA dues now include membership in MnACTE, be it therefore

RESOLVED, that MTEEA members support the policies and initiatives of MnACTE as it strives to promote CTE in Minnesota.

**C-16-07 - MTEEA alignment with the Standards for Technological Literacy:**

WHEREAS, the MN Academic Science Standards now include engineering standards, be it therefore

RESOLVED, that it be clarified that those engineering standards may also be delivered in technology and engineering courses.

## **STANDING RESOLUTIONS:**

### **S-16-1:**

The MTEEA membership has changed its name to the Minnesota Technology and Engineering Educators Association, and believes that Technology Education can help students apply tools, materials, processes and technical concepts safely and efficiently, discover individual talents, solve problems, apply creative abilities, deal with forces that influence the future, adjust to a changing environment, become wise consumers, and make good career choices. The MTEEA further supports the twenty content organizers found in the Standards for Technological Literacy document that helps provide these student activities, and adopts the following definition of Technology Education as defined in the ITEEA 2000 Standards for Technological Literacy:

**A study of technology, which provides an opportunity for students to learn about the processes and knowledge related to technology that are needed to solve problems and extend human capabilities.**

### **S-16-2:**

The MTEEA believes that a comprehensive K-12 program of Technology and Engineering Education should be offered in schools in the State and be included as a component of the elementary curriculum because technology education programs offer one of the best educational opportunities to prepare students for a technological world.

### **S-16-3:**

The MTEEA believes that excellence in teaching is the foundation of a good educational system. The Association, therefore, recommends that only persons with a minimum of a bachelor's degree in Technology Education be permitted to teach Technology Education.

### **S-16-4:**

The MTEEA believes that Technology Education programs are improved when provided with knowledgeable professional supervision. To this end, the MTEEA recommends that full-time supervisors of Technology Education be employed at the State level and where practical in programs at the local level.

### **S-16-5:**

The MTEEA believes that career and technical student organizations should be encouraged and strongly supported at all levels.

**S-16-6:**

The MTEEA believes technology educators should inform all segments of society, in part, by creating business-industry-education partnerships, of the valuable contributions of Technology Education to the youth and businesses/industries in our State.

**S-16-7:**

The MTEEA believes and strongly supports the philosophy of general education for the subject area of Technology Education. We also believe that State and Federal funding such as Carl D. Perkins IV funding needs to be increased to support and enhance comprehensive K-12 Technology Education programming.

**S-16-8:**

The MTEEA believes that conferences provide career and technical educators with opportunities to participate in workshops, presentations, and dialogue with leading educators and supervisors. Conferences enable the career and technical educators to obtain a wealth of insights, ideas, and materials, which will greatly assist in implementing a comprehensive Technology Education program. Therefore, school administrators should annually be encouraged to send their career and technical educators to the Minnesota Technology and Engineering Educators Association and International Technology and Engineering Educators Association Conferences.

**S-16-9:**

The MTEEA is the exclusive representative of Technology Education in Minnesota, and is affiliated with the International Technology and Engineering Educators Association, the international representative for technology education teachers. Therefore, any policies and procedures regarding technology education at the State level should be formulated with input from the MTEEA.

**S-16-10:**

The MTEEA believes that all Minnesota school districts should offer technology education courses in all schools at the middle/junior high and high school levels at a minimum, and that they adopt the Standards for Technological Literacy.

**S-16-11:**

The MTEEA believes that Science Technology (Education) Engineering and Mathematics (STEM) is a natural and powerful coalition that should be available to all students in MN. MTEEA supports state STEM initiatives and seeks to be involved in State STEM policy and initiative planning.

**S-16-12:**



The MTEEA believes that there are many benefits and reasons for its members to join the International Technology and Engineering Educators Association (ITEEA) and encourages all technology educators to do so.

**S-16-13:**

MTEEA encourages technology education departments, in local school districts, to change their department name to reflect Technology Education.

**S-16-14:**

MTEEA supports the “This We Believe” statements for Technology and Engineering Education published by ITEEA. MTEEA will use these statements in their communication to teachers, administrators, school boards, legislatures, MDE Specialists, etc.

**S-16-15:**

MTEEA supports ITEEA's "Engineering by Design" standards-based engineering program. Engineering by Design is built for grades K-12, and delivers technological literacy to students. MTEEA will seek funders to enable joining ITEEA's Consortium of States, which in turn provides the curriculum and training for teachers in those participating states.