Department of Education

P. O. BOX 2120

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**CAREER AND TECHNICAL EDUCATION MEMO NO. 200-22**

**DATE:** June 17, 2022

**FROM:** Dr. David S. Eshelman, Director

Office of Career, Technical, and Adult Education

# SUBJECT: Announcing the 2022 Summer Professional Development for Technology and Engineering Education

The Virginia Department of Education invites elementary and secondary technology and engineering teachers to participate in the Virginia Technology and Engineering Education Association (VTEEA) 2022 Professional Development workshops:

**Energy Cluster Professional Development**

Workshop 1: July 11-14, afternoons (1-5 pm) or an asynchronous option (with online support) for [registration](https://bit.ly/Energy-Summer2022)

Description: In all options, participants are encouraged to budget 42-48 hours to complete all work, with flexible monitored support by the professional learning instructor. At the end of the course, teachers will have demonstrated the ability to perform the following:

* Distinguish the courses and pathway options for the new Energy Career Cluster;
* Describe Workplace Readiness Skills in the context of the Energy Industry;
* Explain the concept areas, tasks/competencies, discussion questions, and resources identified for your selected course;
* Develop a curriculum map model and relevant learning activities and experiences for the academic year;
* Establish the foundations for teaching the Energy course(s);
* Engage in a growing statewide professional learning community relevant to the new Energy Career Cluster;

**Technology, Engineering, Environment, Mathematics, and Science (TEEMS) Training for Elementary School**

Workshop 1: June 28 – Elementary TEEMS – 4-5

Workshop 2: June 29 – Elementary TEEMS – 2-3

Workshop 3: June 30 – Elementary TEEMS – PreK-K-1

Trainers: The International Technology and Engineering Educators Association (ITEEA) Science, Technology, Engineering, and Mathematics (STEM) Center for Teaching and Learning preK-6 elementary STEM curriculum unit sequence is delivered through a hands-on TEEMS thematic interdisciplinary approach using an engaging, Integrative STEM Education lessons. This material and [registration](https://www.surveymonkey.com/r/6522WC9) is available to all Virginia elementary teachers at no charge.

## Manufacturing Skills Institute, Manufacturing Technician Level 1 (MT1)

Workshop 1: July 13-15 – Manufacturing Systems I and II

Workshop 2: July 24-26 – Manufacturing Systems I and II

Workshop 3: August 24-26 – Manufacturing Systems I and II

Workshop 4: November 9-11 – Manufacturing Systems I and II

Trainers: Virginia Manufacturing Association

Description: This course is intended for teachers who plan to use the Institute resources to prepare students for the Manufacturing Technician, Level 1 (MT1) certification examination. The MT1 certification course is an intensive three-day [train-the-trainer program](https://manufacturingskillsinstitute.org/academic/) designed to teach instructors how to deliver the MT1 Action Learning Lab in a modular or customized format. Instructors will also learn how to demonstrate the 12 MT1 skills standards through hands-on application. [Registration](https://www.surveymonkey.com/r/6522WC9) is free and workshops are offered virtually

Registration is open and teachers are encouraged to preregister early using the online pre-registration forms, as workshop space is limited. Participants are encouraged to bring a laptop and are responsible for travel-related expenses and lodging, if needed. Travel-related expenses are an allowable Perkins expenditure if included in the school division’s approved local plan.

If you have questions, please contact Dr. Lynn Basham, Specialist, Technology Education and Related Clusters, Office of Career, Technical, and Adult Education, at cte@doe.virginia.gov or by telephone at (804) 225-3119.

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