Slide 1: ITEEA, the International Technology and Engineering Educators Association has a mission to advance technological and engineering capabilities for all people and to nurture and promote the professionalism of those engaged in these pursuits. ITEEA seeks to improve public understanding of technology and engineering through Integrative STEM Education and its contributions to the world in which we live. We are driven and supported by our worldwide set of volunteer educators to assure that all children become technologically and engineering literate citizens!

Slide 2: Students who study technology and engineering through an integrative STEM education approach learn about the technological world that inventors, engineers, and other innovators have created. The goal is to produce students with a more conceptual understanding of technology and engineering and its place in society. These students are able to conceptualize and evaluate new technologies that they may have never before seen. By “doing and making,” children are able to become makers for the future.

Slide 3: Using an Integrative STEM Education delivery for Technology and Engineering Education provides a perfect interdisciplinary integrator of all subject content. It especially excels at connecting the fields represented by the STEM acronym. When taught effectively, technology is not simply one more field of study seeking admission to an already crowded curriculum, pushing others out of the way. Instead, it reinforces and complements the material that students learn in other classes—Technology and Engineering Bring STEM to Life!
Slide 4:
Technological and engineering literacy is the ability to use, manage, assess, and understand technology and engineering practice. A technologically and engineering literate person understands, in increasingly sophisticated ways that evolve over time, what technology is, how it is created, and how it shapes society, and in turn is shaped by society. A technologically literate person will be comfortable with learning about technology and engineering, without being afraid or intimidated by it.

Slide 5:
STEM is an important force in our economy; anyone and everyone benefits from being familiar with it. On the individual level, technological and engineering literacy allows consumers to better assess products and make more intelligent buying decisions, policy decisions, and those that affect our quality of life.

Technology and Engineering Education through Integrative STEM Education effectively delivers technological literacy and engineering and paves the way for making a positive difference in the lives of humankind!

Slide 6:
ITEEA’s mission is to advance technological and engineering capabilities for all people and to nurture and promote the professionalism of those engaged in these pursuits. ITEEA seeks to meet the professional needs and interests of members as well as to improve public understanding of technology, innovation, design, and engineering and its contributions to human life.

Slide 7:
ITEEA is the largest professional educational association, principal voice, and information clearinghouse devoted to enhancing technology, innovation, design and engineering through experiences in our schools (preK–12). Its membership encompasses individuals and institutions throughout the world with the primary membership in North America. ITEEA strengthens the profession through leadership,
professional development, membership services, networking, publications, and classroom resources. ITEEA seeks to meet the professional needs and interests of members as well as to improve public understanding of technology and engineering through integrative STEM education and its contributions to the world in which we live.

Slide 8: In order to achieve these goals, ITEEA:

Represents all preK-12 technology and engineering educators throughout the U.S. and internationally.

Slide 9: In order to achieve these goals, ITEEA:

Conducts a wide variety of professional development programs and holds an Annual Conference—the largest technology and engineering education showcase of exhibits and educational sessions in the world.

Slide 10: In order to achieve these goals, ITEEA:

Publishes Technology and Engineering Teacher, Children’s Technology and Engineering, the Journal of Technology Education, STEM Connections, and a variety of other publications that lead the profession by providing teaching directions, instructional ideas, and networking opportunities.
Slide 11: In order to achieve these goals, ITEEA:

Leads and engages our members through numerous committees, task forces, and boards that coordinate all aspects of technology and engineering education and sponsor dozens of meetings, conferences, and exhibits annually.

Slide 12: In order to achieve these goals, ITEEA:

Sponsors an active honors and awards program that recognizes outstanding teachers and programs (K-12) from states, provinces, and countries affiliated with the Association. ITEEA also presents award certificates and supports other programs that recognize outstanding efforts in the technology and engineering teaching profession.

Slide 13: In order to achieve these goals, ITEEA:

Conducts a vigorous public policy program frequently providing information to government, agencies, associations, and other special interest groups concerning technology and engineering education. The Association strives to provide concerned publics with an understanding of the importance of technological literacy through technology, innovation, design, and engineering education to the future growth and wellbeing of all nations.
ITEEA’s Councils, including the Council on Technology and Engineering Teacher Education (CTETE), the Council for Supervision and Leadership (ITEEA-CSL), the Children’s Council, and the Technology and Engineering Education Collegiate Association (TEECA) recruit the best and brightest in our field in order to lead the movement towards an Integrative STEM Education for all students and building a better future for all.

ITEEA and its foundation, the Foundation for Technology and Engineering Educators (FTEE), provide awards, grants, and scholarships to support the advancement of technology and engineering education. FTEE awards support programs that will: make our children technologically and engineering literate; transfer industrial and corporate research into our schools; produce models of excellence in technology and engineering teaching; create public awareness regarding the nature of technology and engineering education; and help technology and engineering teachers maintain a competitive edge in technology, innovation, design, and engineering.

ITEEA offers individual, pre-K–12 schoolwide STEM memberships, university, and corporate memberships.

Our members are classroom teachers, state and local supervisors, college students, college and university faculty, teachers of science, mathematics, and other disciplines such as art music social studies as well as technical and general educators.
Slide 17: ITEEA offers its members a professional forum to exchange ideas, ask questions, share valuable lessons, tips, and tricks of the trade:

ITEEA’s IdeaGarden forum generates real-time dialogue pertaining to educational programs and events, knowledge resources, and new ideas about teaching and learning. Teachers ask questions, share information and ideas, and offer meaningful support.

Slide 18: ITEEA’s STEM Center for Teaching and Learning has developed a premier standards-based Integrative STEM Education curriculum model designed to be flexible, affordable, and accountable.

Slide 19: This teacher designed and driven Engineering byDesign™ curriculum was developed to address the need for standards-based curriculum using Standards for Technological Literacy, the Common Core Standards, the Next Generation science standards, and the national Academy of Engineering’s Grand Challenges. This dynamic curricula is “engineered” to address and advance the needs for standards-based Technology and Engineering literacy through an Integrative STEM Education delivery system.
The STEM Center’s curriculum, professional development, research, and assessment divisions help to develop and drive broad Technological and Engineering Literacy for every student using the 6E Learning byDESIGN™ Instructional Model;

Based on Constructivist theory, EbD™ is problem/project-based within the context of the Grand Challenges for Engineering (NAE).

The STEM Center for Teaching and Learning is building a community of STEM Education Leaders through face-to-face professional development, webinars, and an online learning community that prepare educators to be Integrative STEM professionals. Professional Development Opportunities include:

- Collaborative Learning Community: for teachers-by teachers;
- Summer Institutes on Engineering byDesign Curriculum;
- On-site workshops (school/district/state) that develop STEM pedagogy and practice through a facilitated learning opportunity;
- A broad range of options for developing the Integrative STEM professional.
ITEEA’s STEM + CTL concentrates on developing high quality assessments to inform curriculum quality and fidelity, teacher effectiveness, and student growth achievement. To this end, services provide online “Dashboards” for class, school, and state assessment reports reflecting the growth of student knowledge, capabilities, and ways of thinking and acting.

Highlights include:

- Innovative performance assessments that focus on what students know and are able to do;
- Flexible Teacher Assessment Dashboard provides real-time data on student learning;
- Links STEM subjects through Integrative STEM Focal Points;
- Summative Assessment reports that focus on student growth and contribute towards identifying teacher effectiveness.

Professional Learning Communities (PD Through PLCs):

The STEM + Center for Teaching and Learning is building a community of STEM Education Leaders through face-to-face professional development, webinars, and an online learning community that prepare educators to be Integrative STEM professionals.

Professional Development Opportunities include:

- Collaborative Learning Community: for teachers-by teachers;
- Summer Institutes on Engineering byDesign Curriculum;
- On-site workshops (school/district/state) that develop STEM pedagogy and practice through a facilitated learning opportunity;
- A broad range of options for developing the Integrative STEM professional.
ITEEA’s STEM CTL Consortium model approach is used to develop and drive the Integrative STEM Education resources for Curriculum, Professional Development, Research, and Assessment. States and institutions join to leverage valuable, but often declining local resources.

Consortium benefits include:

- National Teacher Effectiveness Coaches (TECs) provide high quality, consistent professional development opportunities for states;
- Consortium members are provided EbD/STEM materials within their state or district;
- Professional Development opportunities online, regionally, and at the ITEEA Annual Conference;
- Strategic Initiatives Meeting twice per year;
- Limited Network Schools are included with the annual membership.

Please take the time to view this “Membership Matters” video highlighting the strength and advantage of being an active participant in ITEEA.  
https://youtu.be/ExiGIG3uoxU

Become a new or returning member today by going to ITEEA.org to create an account and then “Manage Profile.” Or use the downloadable Print Form.

Thank you! We hope to see you at ITEEA’s 79th Conference in Dallas, Texas!