



WELCOME

Illinois STEM Elementary Resources

Equity • Quality • Collaboration • Community



Agenda

- Purpose of today's webinar
- Introduction to ITEEA
- Presentation of STEM Resources
- Next Steps
- Questions

Equity • Quality • Collaboration • Community



Purpose

- Learn about free STEM opportunities for elementary schools in FY21
- Develop an understanding of career and educational experiences by exposing students to Integrative STEM
- Partnership with the International Technology and Engineering Educators Association (ITEEA)

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Introduction to ITEEA

ITEEA is a professional organization for the advancement of teaching Integrative STEM through innovation, design, and engineering.

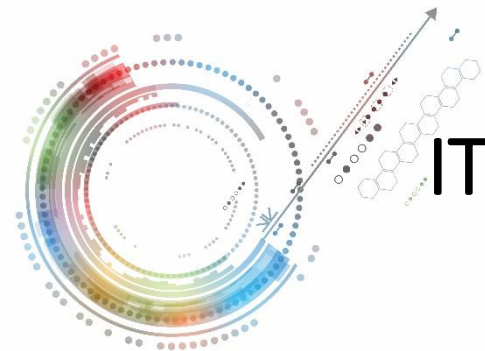
Its mission is to promote K-12 technological and engineering literacy for all by supporting those who teach these subjects and the professionalism of those engaged in these pursuits.

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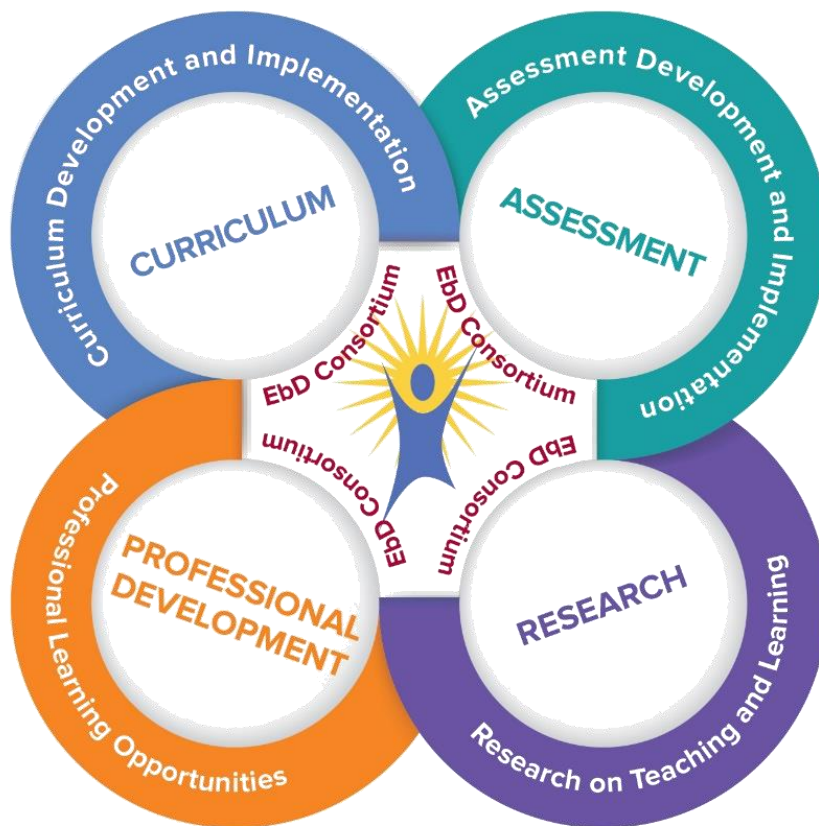
Introduction to ITEEA

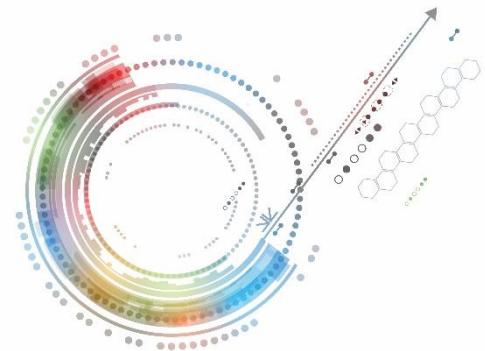
- On the webinar with us is ITEEA's Executive Director, Steve Barbato to go over the resources available to all Illinois Elementary teachers and how to access them.



ITEEA STEM Center for Teaching and Learning™ (CTL™)

Integrative STEM Education






What is Engineering byDesign™ (EbD™)?

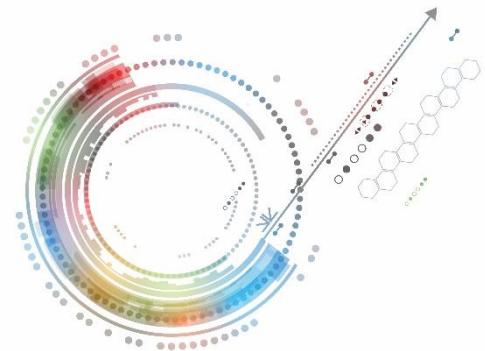
"The Engineering byDesign™ Program is built on the belief that the ingenuity of children is untapped, unrealized potential that, when properly motivated, will lead to the next generation of technologists, innovators, designers, and engineers."

ITEEA's STEM Center for Teaching and Learning™ (CTL™) has developed the only standards-based national model for Grades PreK-12 that delivers technological literacy in a STEM context.

The model, Engineering byDesign™, is built on the Common Core State Standards (High School and Middle School), *Next Generation Science Standards* (K-12), *Standards for Technological and Engineering Literacy* (STEL – ITEEA), *Principles and Standards for School Mathematics* (NCTM), and Project 2016 – Benchmarks for Science Literacy (AAAS). The PreK-12 program has been mapped to the Grand Challenges for Engineering.



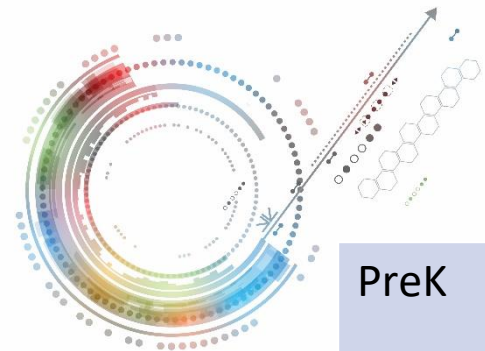
PreK-2		EbD-TEEMS NxtGeN™	1-6 weeks
3-6		EbD-TEEMS NxtGeN™ (5th/6th grade capstone)	1-6 weeks
6		<i>Exploring Technology</i>	18 weeks
7		<i>Invention and Innovation</i>	18 weeks
8		<i>Technological Systems</i>	18 weeks
8-9		 <i>EfA Extension Units:</i> <i>Vertical Farms: Fresh Food for Cities</i> <i>Water: The World in Crisis</i>	4-7 weeks per unit
9		<i>Foundations of Technology</i>	36 weeks
10-12	HS Choices	<i>Technology and Society</i>	36 weeks
10-12		<i>Technological Design</i>	36 weeks
11-12		<i>Advanced Design Applications</i>	36 weeks
11-12		<i>Advanced Technical Applications</i>	36 weeks
11-12		<i>Engineering Design (Capstone)</i>	36 weeks



EbD-TEEMS™

- Technology, Engineering, Environment, Mathematics, and Science
- PreK-6
- 20 Lessons in each grade band
 - From 20 minutes to 3 hours
 - Should be integrated into other courses for the integrated STEM experience
- Course length: 6-8 weeks

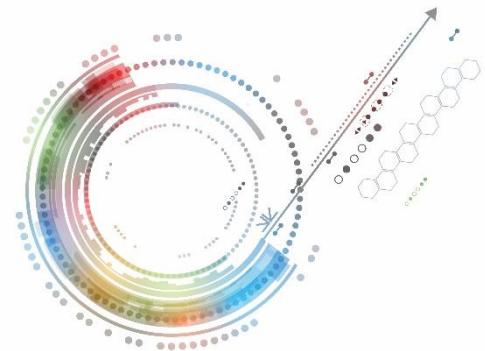




PreK	Our Living World
K	A Home for All Seasons
Grade 1	Can You Hear Me?
Grade 2	From Nature To Me
Grade 3	Natural Hazards
Grade 4	The Power of Solar
Grade 5	Our Water, Our World
Grade 6	Our World and Me

Integration
and
Articulation

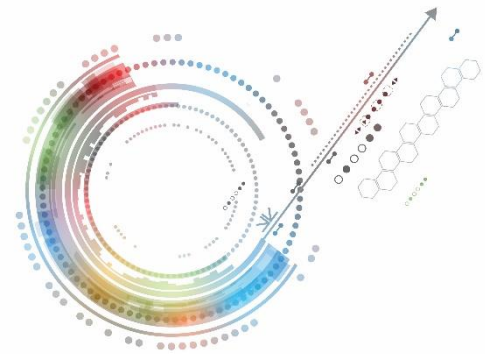




EbD-BUZZ™ (LMS)

- Illinois is a EbD™ Consortium State
 - Teachers have unlimited access to the Standard Edition (downloadable), without pre and post tests
- Schools may purchase EbD-BUZZ™ access
 - Pre and post tests
 - Data analytics
 - Up to five teachers per building (more for additional fee)
 - Easily customizable
 - EbD-BUZZ™ tech support (EbD-BUZZ™ Support)
 - Complete a Consortium State Network Agreement





To Access EbD™ Curricula in Illinois...

https://www.iteea.org/Community/STEM_by_State/Illinois.aspx

[Home](#) > [Community](#) > [STEM by State](#) > [Illinois](#)

Illinois

STATE

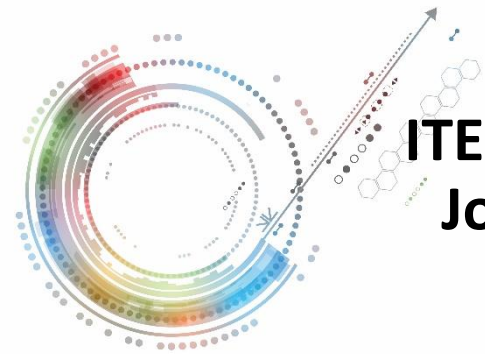
IL, United States

[Profile](#)

[Accessing EbD™ Curriculum](#)

[Contacts 3](#)

[IL Resources 1](#)



ITEEA Includes two Downloadable Journal Subscriptions as Part of Your Membership.



***Technology and
Engineering Teacher
Journal Link***



***The Elementary
STEM Journal Link***



Elementary STEM Council Resources

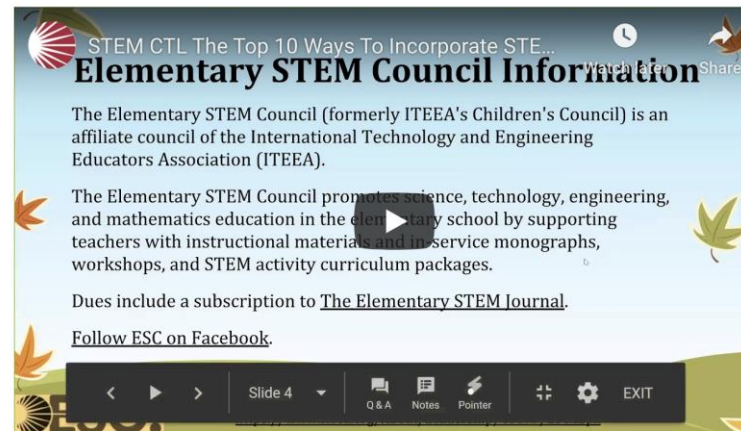
- [*The Elementary STEM Journal*](#)

- Feature articles with classroom tested ideas
- Books to Briefs section that connects literature with design briefs for classroom use
- Activities for use in Elementary STEM classrooms
- Teacher Features that highlight award winning elementary STEM educators
- Special features on differentiation, at-home learning, career connections, and more!

Elementary STEM Council Resources

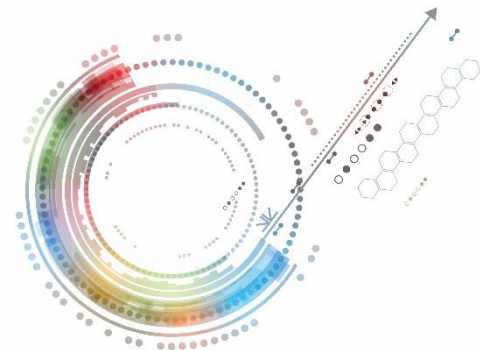
- [STEMinars](#) focused on elementary STEM Topics
- [Awards](#) for achievements in Elementary STEM Education
- [Annual Grand Design Challenge Competition](#)
- Active social media network through Facebook

The Top 10 Ways To Incorporate STEM in Your Elementary School



[ESC Professional Learning STEMinar](#)

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Complimentary Membership Option to the ITEEA Elementary STEM Council



The **Elementary STEM Council (ESC)** promotes technology and engineering education in the elementary school by supporting teachers with instructional materials and inservice monographs, workshops, and technology activity curriculum packages. If you would like to opt-in to this council, at no charge, simply add your name and email to this form. Click link below:

[Complimentary ITEEA Elementary STEM Council "Opt-In" Form](https://forms.gle/ZzXLdEvBBsgs3bEv7)

IL Group Elementary Membership - ESC Opt In

In addition to your Elementary membership, ITEEA is offering a complimentary membership to the Elementary STEM Council (ESC), which promotes technology education in the elementary school by supporting teachers with instructional materials and inservice monographs, workshops and technology activity curriculum packages. If you would like to opt-in to this council, at no charge, simply add your name and email to this form:

Full Name

Your answer

Email Address associated with your ITEEA Account

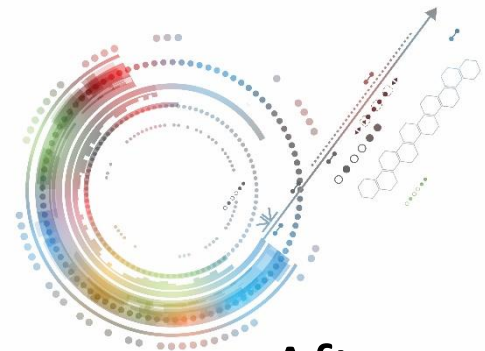
Your answer

Submit

<https://forms.gle/ZzXLdEvBBsgs3bEv7>



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After completing your spreadsheet. [Follow this link](#) to securely upload the teachers' information to ITEEA's membership server for account creation.

Allow 1-2 business days, after which all teachers (including yourself) will receive an email from membership.sales@iteea.org with login instructions and how to navigate the ITEEA website and its resources.

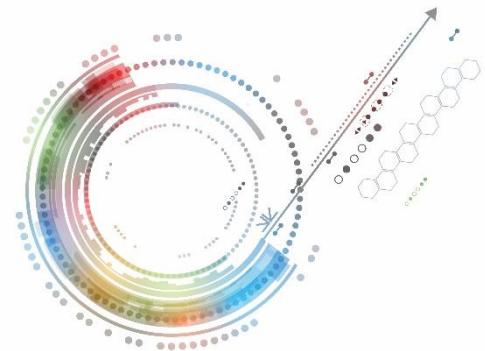
ITEEA Membership

Welcome to Your ITEEA Elementary Members...

Wed 7/1

Dear Joe,

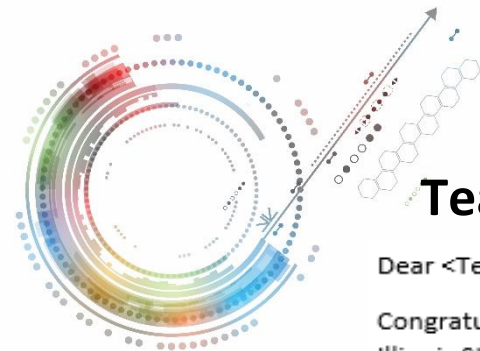




If an individual school wishes to sign up separately, instead of through its EFE, they may use the same process, using the same links provided previously.

An elementary teacher can receive their membership through their district or through their school but will not be duplicated if added twice.





Teacher Email Confirming Membership

Dear <Teacher Name>,

Congratulations on taking advantage of your ITEEA Elementary Group Membership provided by the Illinois State Board of Education! To log in and begin enjoying your membership, please go to www.iteea.org and use the following credentials:

Username: <Teacher Username>

Password: <Teacher Password>

Your Member ID: <Teacher Contact #>

Here are just a few of the things that you now have full access to:

- A complimentary electronic subscription (eight issues) to [*Technology and Engineering Teacher \(TET\)*](#), ITEEA's flagship publication.
- A complimentary electronic subscription (four issues) to [*The Elementary STEM Journal \(ESJ\)*](#), ITEEA's award-winning and theme based journal for K-6 classroom teachers.
- Discounted [ITEEA conference](#) registration.
- Eligibility for Individual and [program/school recognition](#).
- Eligibility for [awards and scholarships](#).
- [Insurance programs](#) offered at discounted rates (ITEEA is a member of the Trust for Insuring Educators – TIE).
- ITEEA publications, product, and [Engineering byDesign™](#) course and unit discounts.
- Free job posting on ITEEA's [Career Connections page](#)

In addition to your Elementary membership, ITEEA is offering a complimentary membership to the [Elementary STEM Council \(ESC\)](#), which promotes technology education in the elementary school by supporting teachers with instructional materials and inservice monographs, workshops and technology activity curriculum packages. If you would like to opt-in to this council, at no charge, simply add your name and email to this form: <https://forms.gle/ZzXLdEvBBsgs3bEv7>

If you have any technical questions or questions about your membership please reach out to us at iteea@iteea.org, we're here to help!











Welcome to ITEEA!




EFEs or School Admins will be able to add, delete, and edit the teachers under their group after the initial roster upload by signing into their ITEEA account and [going here](#).

Manage Selected Company's Contacts

[+ Add New Contact](#)

Name	Email		
de la Paz, Kathleen (Katie) - Editor-in-Chief	kdelapaz@iteea.org		
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Hart, Nancye - Assistant Director, ITEEA STEM CTL™	nhart@iteea.org		
Novitski, Ryan	ryan.novitski@pgcps.org		





Questions

- Contact information:

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