



Engineering byDesign - Introductory Workshop

Do your Middle and High School Engineering programs meet your needs?

Engineering byDesign is a program that is:

- Standards Based
- A project/problem based curriculum that has students integrating Science and Math through engineering and technology.
- Has variety and flexibility to fit your requirements.
- Allows you to Integrate “Legacy Projects”.
- Can be integrated to use the available equipment.
- Lesson plans that are easy to reconfigure to meet classroom needs.
- Has easy to follow lesson plans, with “Big Ideas” and “Learning Targets” clearly identified.
- Complete materials lists that are easily sourced.
- College credit opportunity for students through Saint Cloud State University.

(learn more about the Engineering byDesign program at mnebd.org)

Engineering byDesign is a low-cost, flexible, engineering program that you can modify to meet the needs of your district, and your program!

MN Engineering byDesign is hosting an introductory workshop to let you experience the Engineering byDesign program.

The Introductory session will include:

- An overview of the K-12 Engineering by Design Program
- An experience in a 6 “E” learning activity
- In Depth introduction to grade level coursework
- An “Active” learning experience
- One month access to the Engineering byDesign “BUZZ” LMS

Cost: The Minnesota Technology and Engineering Educators Association is sponsoring this workshop! There is no cost for this Introductory workshop.

Location: Metro ECSU, 2 Pine Tree Drive, Arden Hills, MN 55112

Training Dates: Elementary Workshop May 24, 2022

MS and HS Workshop May 25, 2022

Time: 9:00 to 2:030 (Lunch will be provided)

Registration: register online at <http://metroecsu.myquickreg.com/register/event/>

Attend the Introductory session and receive a discount on future training.

MN Engineering byDesign is offering a “Summer Institute” that will be held at Saint Cloud State University June 13-17.

This 4 day training session will immerse the teacher in the EbD curriculum, give them an opportunity to experience the

program both as a teacher and a student, and learn how to use the EbD BUZZ LMS to best present the program to their students. Participants will experience the cross content learning experiences, collaboration and team building that is part of the EbD Program. Participants will be ready to integrate the EbD High School curriculum into their current school program.

This will fill the training requirement to use the EbD BUZZ LMS.

All Introductory session participants will receive a \$150 discount on the 2022 Summer Institute workshop fee! In addition, as a Summer Institute participant you will have FREE access to the Engineering byDesign BUZZ LMS for your grade level through June 30, 2023!

MN EbD will be offering a “Summer Institute” to train teachers to be “Certified Engineering byDesign leaders”

The Summer Institute is a 4 day immersive training in the EbD TEEMS program. If a teacher wishes to train in more than one course an additional day will be necessary. The workshops will run from 8:00 am to 4:30 each day. There will be an hour break for lunch. The workshop will be led by Minnesota’s Authorized Teacher Effectiveness Coaches.

Workshop Fee:

MTEEA/ITEEA Members: \$800 for the first course, \$600 for a second course

Non-members: \$950 for the first course, \$750 for a second course

*Registration is for the workshop only, Meals, lodging and travel are not included in the workshop fee.

Course descriptions can be found at: <https://www.mnebd.org/curriculum>

Registration can be completed online at <https://forms.gle/dcgp6kAeXAednsXY7>

Payment can be through School PO, Check or online at: <https://square.link/u/XuBnmM5L>

Participants will have time to learn about the program, try some lessons during the 2021-22 school year and move to full implementation during the 2022-23 school year. This alone is a \$400 savings!

Training Dates: June 13-17, Saint Cloud State University

Time: 9:00 to 3:30 Monday 8:30 to 3:30 Tuesday through Thursday

Registration: [Register online here https://forms.gle/YRtNBDpF5iVhsLwn8](https://forms.gle/YRtNBDpF5iVhsLwn8)

CEU Certificates will be given out upon completion of the Summer institute.

College Credit: College Credit is available from Saint Cloud State University. Fee is \$500 for 3 graduate credits. Credits will be awarded following completion of the Summer Institute. This cost is not included in the training fee. Credit registration information will be included in the confirmation email.

Take advantage of this opportunity to experience a standards based, integrative STEM engineering program.