**EbD™ and PLTW™**

**EbD**
- **Course Grade Ranges:** PreK-2, 3-6, 6, 7,8, 8-9, 9, 10-12, 11-12.
- Choice of sequence of learning.
- Built on the CCSS (High School / Middle School), NGSS (K-12), STL with new alignment to STEL.
- Computer Science Principles by Design course aligns to CCSS, NGSS, and STEL.
- Mapped to the National Academy of Engineering’s Grand Challenges for Engineering
- Integrative STEM
- No required prerequisites - Recommended prerequisites

**PLTW**
- **Course Grade Ranges:** PreK-5, 6-8, and then 4-year specialized fields.
- All PLTW Pathways address NGSS and CCSS.
- Engineering Pathway aligns with STL.
- Computer Science Pathway aligns to Computer Science Teachers
- Biomedical Science Pathway aligns to National Health Standards.
- Individual courses may have prerequisites or recommended preparation.

**Course Sequence - Pathways**
- Grade ranges for courses
- Summative Assessments
- Standards alignment with NGSS and CCSS
- Program model - problem- and project-based.

**Note:**
All courses for ITEEA’s Engineering byDesign™ will be available for Hybrid content delivery for the 2021-2022 school year. Hybrid content delivery will include additional resources such as recorded presentations, activities, and instructions tailored to nontraditional classrooms or not in person classroom instruction.

Engineering byDesign™ and Project Lead the Way have programs built on the Common Core State Standards, Next Generation Science Standards, and ITEEA’s Standards for Technological Literacy (STL). EbD™ courses are undergoing a revision that will include ITEEA’s newly updated Standards for Technological and Engineering Literacy (STEL). In this diagram, clicking on the titles of EbD™ and Course Grade Ranges will open further resources via web browser.

**CCSS:** Common Core State Standards (Council of Chief State School Officers)
**NGSS:** Next Generation Science Standards (NSTA)
**STL:** Standards for Technological Literacy (ITEEA)
**STEL:** Standards for Technological and Engineering Literacy (ITEEA)

*Click QR Code for more information about EbD.*

The International Technology and Engineering Educators Association  [www.iteea.org](http://www.iteea.org)