

Onsite STEM Professional Development

The STEM Connection provides professional development to empower educators and youth workers by sharing STEM content knowledge, developing STEM practices, and building confidence to provide more meaningful STEM experiences for children.

Current offerings include:

- **STEM throughout the School Day** - Learn more about shifting instruction to encourage daily STEM experiences and implementing STEM challenges into the elementary and middle school curriculum as ways to practice STEM skills, connect state standards in a variety of subjects, work on team building, excite students about careers of the future.
- **STEM and PBL Connect for Success** - Learn more about how STEM, the Engineering Design Process, and Project-Based Learning are connected and can be implemented through hands-on experiences for students.
- **STEM and Nature - The Perfect Match** - Nature stimulates all of the senses! Everyone loves to have their senses awakened and when the senses are engaged meaningful learning occurs. Time in nature and nature in the classroom allow teachers unique opportunities to provide invitations for children to explore STEM.
- **Engaging Students with the Engineering Design Process** - Learn how to introduce the engineering design process and implement engineering challenges to practice STEM skills, connect state standards and subjects, work on team building, excite students about careers of the future, and have fun!
- **Developing a STEM School Identity** - Reflect on STEM experiences and attitudes, review factors that contribute to STEM success, and identify components of successful STEM schools. Then, brainstorm ways your school currently demonstrates STEM success, consider new strategies and opportunities you would like to add to promote STEM success, and what barriers need to be worked through or overcome to attain greater STEM School Identity and possibly a IDOE STEM School Certification.
- **STEM by the Numbers** - Determine who is underrepresented in STEM careers and why it matters. Identify and discuss the researched-backed factors that contribute to future STEM success. Begin to brainstorm ways to help those underrepresented in STEM have earlier access to STEM to set them up for future STEM success.

Onsite professional development sessions can run as half-day or full-day workshops. A pre-workshop survey will be shared.

More Information: <https://thestemconnection.org/stem-professional-development/>

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