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STEM K–12 Resources Available from ITE

Washington, DC—The STEM subcommittee of the Institute of Transportation Engineers (ITE) is excited to announce a new transportation-themed STEM lesson resource for K–12 teachers. The lesson plans are designed to engage students in academic content through real-world transportation problems and projects. Accessible via the [STEM Resources](#) website, activities developed by the ITE subcommittee are featured as well as links to other relevant STEM content that is FREE for teachers.

“These transportation-themed STEM activities, developed by ITE, make it easier for our ITE members, educators, parents, and student mentors to share the transportation profession with the children in their lives and in their communities,” said Jennifer Warner, transportation engineer-in-training and STEM outreach advocate. “The activities identify the recommended age group, the learning outcomes, the materials, the space requirements, etc. and they provide guidance on how to generate interactive discussions with the students. It makes this type of K–12 STEM outreach that much more accessible.”

In addition, teachers can reach out to [state sections and local ITE chapters](#) to request assistance in implementing activities or to identify guest speakers on specific transportation topics through ITE’s vast college student and professional member network.

“I’ve been asked several times to organize activities for students in the K–12 age range to give them a taste of what I do as a transportation engineer. Until recently, most of the engineering activities I could find online had to do with building rockets, or were related to bridge structures or waterways,” explains Karen Aspelin, mom, Scouter, and transportation engineer. “ITE has created a webpage with worksheets targeted to a wide range of ages, all of which have to do with transportation. Additionally, most of the activities can be led by someone who’s not that familiar with the profession.”

ITE asks that you [share this information](#) and [attached flyer](#) with educators in your region/district. ITE is proud to support development of STEM competencies and awareness of transportation professions through its STEM resources!

About ITE

The Institute of Transportation Engineers (ITE) is an international membership association of transportation professionals who work to improve safety and mobility for all transportation system users and help build smart and livable communities. Through its products and services, ITE promotes professional development and career advancement for its members, supports and encourages education, identifies necessary research, develops technical resources including standards and

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recommended practices, develops public awareness programs, and serves as a conduit for the exchange of professional information. ITE develops the next generation of transportation professionals through its K–12 STEM program and its more than 150 student chapters.

Founded in 1930, ITE is a community of transportation professionals including, transportation engineers, transportation planners, consultants, educators, technologists, and researchers. Through meetings, seminars, publications, and a network of more than 15,500 members working in more than 90 countries, ITE connects you to a world of ideas, people, and resources. For more information, visit www.ite.org.

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