

Technology Student Association Provides Innovative Resources for Computer Science Classrooms

November 6, 2019—Reston, VA—The [Technology Student Association \(TSA\)](https://www.tsa.org) is expanding its national membership reach to [Computer Science](#) (CS) classrooms.

Historically, the non-profit organization of more than 250,000 middle and high school student members has been focused on technology education. In 2018, TSA developed a partnership with CompTIA, the leading non-profit trade association for the global information technology (IT) industry, and added several more CS-related competitions. Beginning in the 2019–20 school year, TSA added CS-related competitions in Cybersecurity Foundations, Data Science and Analytics, and Foundations of IT—bringing to 16 the total number of CS-related competitions:

High School

- Coding
- Cybersecurity
- IT Fundamentals+
- Scientific Visualization
- Software Development
- System Control Technology
- Video Game Design
- Webmaster

Middle School

- Coding
- Cybersecurity Foundations
- Data Science and Analytics
- Foundations of IT
- Microcontroller Design
- System Control Technology
- Video Game Design
- Website Design

TSA CS middle and high school competitions are aligned with the International Society for Technology in Education (ISTE) standards; the high school CS competitions also are aligned with Advanced Placement (AP) CS Standards. A crosswalk with the Computer Science Teachers Association (CSTA) standards is anticipated in 2020.

TSA competitions are designed to be integrated into existing CS curriculum in middle schools and high schools. “TSA’s current initiative to provide competitions for middle school and high school Computer Science students reflects the growth in employment in areas such as cybersecurity, coding, and information technology,” says Dr. Rosanne T. White, TSA executive director. “Since all TSA competitions are embedded with 21st century skills such as leadership and teamwork—attributes which are in high demand by industry—TSA membership offers a well-rounded resource for Computer Science students and teachers.”

Overall, TSA offers more than 70 [high school](#)-level and [middle school](#)-level science, technology, engineering, and math (STEM) competitions. Many local and state-level events culminate at the annual [National TSA Conference](#).

Interested in bringing TSA CS to your school? Visit [TSAweb.org/computerscience](https://www.tsa.org/computerscience) or call TSA CS Program Manager Sandy Honour at 888-860-9010.