

TPC Challenge Alabama 50 TEAM PROGRAMMING CHALLENGE

Are you a coder and love computer science and want to show off your skills?
Are you in grades 7 – 12? Do you have 2 or 3 friends who code? Need some money?
Have a teacher or parent to sponsor you?

PERFECT!! – SIGN UP NOW

acteregionone.com/fair-registration

The goal is to have 50 computer programming teams compete together virtually across Alabama!



So how is the ACTE Virtual TPC 2021 going to work?

March 12 – REGISTRATION EXTENDED TO MARCH 26 TPC sponsor/student registration deadline

Teams of 2 - 4 students in grades 7-12.

Registration fee: \$10.00 per student. Invoice sent upon registration completion.

April 2 – Fees due and payable in one payment per school either school check or electronic payment.

After registration is complete, the ACTE TPC Competition Systems Administrator will provide teams a link to sign up on the competition platform, MCSC, to access practice competitions and to become familiar with the software. The *ACTE TPC Virtual Guidebook 2021* containing the rules, a schedule, and a comprehensive guide to using the MCSC contest platform will be posted on the website and emailed to you.

On April 8, (note date change for TPC Only) competition day, TPC teams will log on to the competition website and click on the competition to join. All students will join a common WebEx meeting for attendance purposes, and they will stay in the meeting to ask questions, report errors, clear up confusion, and for the contest managers to announce any rule changes or question wording changes live.

Once the competition begins, teams can view all problems; read descriptions and other problem information; and submit their code. Submissions are processed live and are automatic, so teams can see their score as it is being scored. *How fun is that?* While this is going on, teams can also compare their progress to other teams by watching a live running scoreboard. The software will compile, run, and score all the team's solutions. Team members can see each other's submissions, and the highest-scoring submission is posted each time. Teams are expected to arrange their own communication through the usage of a group call, Discord, or similar software. Permitted languages are C99, C++11, Java and Python3.

Depending on the number of teams, there will be one or two rounds of competition in which up to **50 teams** from all over Alabama will compete against each other for 1st, 2nd, and 3rd place prizes within their level. Prizes presented electronically from ACTE.

First Place Team Prize - \$200, Second Place Team Prize - \$100, Third Place Team Prize \$60.

This year there are no resident judges since we are virtual. Problems will be graded automatically, and feedback on the solutions is released live as well. Each piece of feedback on each test case will have an associated code letter to identify the exact error encountered. (See more information on this in the *ACTE TPC Virtual Guidebook 2021*).

Results will be posted on the ACTE Region One website by the end of the day, April 8. Official solutions to the problems, including a problem analysis and the code, will be released soon after the competition ends.