

## **STEM Opportunities for High School Students**

Hey everyone! Here are some extra opportunities I found online for you all. Feel free to share this with anyone else who may be interested!

Keep in mind that there is are thousands of opportunities out there, and this list is simply a handful. I purposely tried to find different types so you can find at least a few that match your interests.

There are honestly so many different types of programs. Some are as short as a week and some can be up to several weeks long. Some can cost hundreds of dollars, while others don't cost a single penny! For most though, you will have to apply. I know some of these are quite selective, but please don't let that prevent you from applying! I personally know a few alumni from some of these programs saying they've gotten so much out of it, so it's definitely worth a shot. Even if you don't get in, the application experience is quite valuable and besides that, there are hundreds more out there waiting for you!

If you decide to apply and would like advice/feedback, feel free to email us at [stempowerher@gmail.com](mailto:stempowerher@gmail.com). Good luck!

Lots of love,

Diya Chakraborti (StempowerHer Publicist)

## **Summer Programs**

[American Mathematical Society - Link to Math Camps](#)

[Boston University - Research in Science & Engineering \(RISE\)](#)

[Camp Cardiac](#)

[Camp Neuro](#)

[Canada/USA Mathcamp](#)

[Carnegie Mellon - Summer Academy for Math + Science \(SAMS\)](#)

[Girls Who Code Summer Immersion Camp](#)

[Hampshire College Summer Studies in Mathematics \(HCSSIM\)](#)

[Harvard University/MIT - Broad Summer Scholars Program](#)

[Jackson Laboratory - Summer Student Program](#)

[Johns Hopkins University - Summer Institute in Bioethics](#)

[MathILy - Bryn Mawr College](#)

[MDI Biological Laboratory Summer Research Fellowship](#)

[Michigan Math and Science Scholars](#)

[Michigan State University – High School Honors Science, Math and Engineering Program \(HSHSP\)](#)

[MIT – Minority Introduction to Science and Engineering \(MITES\)](#)

[MIT - Research Science Institute](#)

[MIT - Women’s Technology Program \(WTP\)](#)

[Monell Center Science Apprenticeship Program](#)

[National Institutes of Health Summer Internship in Biomedical Research \(SIP\)](#)

[NIH Summer Internship in Biomedical Research](#)

[Ohio State University – Ross Mathematics Program](#)

[Program in Mathematics for Young Scientists \(PROMYS\)](#)

[Simons Summer Research Program](#)

[Stanford University Mathematics Camp \(SuMaC\)](#)

[Stanford Institutes of Medicine Summer Research Program \(SIMR\)](#)

[UCI - California State Summer School for Mathematics and Science \(COSMOS\)](#)

[University of Pennsylvania Engineering – Summer Academy in Applied Science and Technology \(SAAST\)](#)

## **STEM Competitions**

### **Science Competitions**

[AAN Neuroscience Prizes](#)

[BioGENEius Challenge](#)

[Broadcom MASTERS](#)

[Destination ImagiNation](#)

[Discovery Education 3M Young Scientist Challenge](#)

[DuPont Challenge Science Essay Contest](#)

[eCYBERMISSION!](#)

[ExploraVision Awards Program](#)

[Future Problem Solving Program](#)

[Generation Nano: Superheroes Inspired by Science](#)

[Google Science Fair](#)

[High School Physics Photo Contest](#)

[Intel International Science & Engineering Fair \(ISEF\)](#)

[International Chemistry Olympiad \(IChO\)](#)

[Junior Science & Humanities Symposium](#)

[MIT THINK Scholars Program](#)

[National Science Bowl](#)

[Odyssey of the Mind](#)

[Regeneron International Science Talent Search](#)

[Science Olympiad](#)

[Siemens Competition](#)

[USA Chemistry Olympiad \(USNCO\)](#)

[\*You Be The Chemist Challenge\*](#)

### **Math Competitions**

[Advantage Testing Foundation Math Prize for Girls](#)

[American Mathematics Competitions \(AMC 8, AMC 10, AMC 12, AIME, USAMO\)](#)

[American Regions Mathematics League \(ARML\)](#)

[Continental Mathematics League](#)

[Harvard-MIT Math Tournament \(HMMT\)](#)

[High School Mathematical Contest in Modeling \(HiMCM\)](#)

[Intel International Science & Engineering Fair \(ISEF\)](#)

[Intel Science Talent Search \(STS\)](#)

[International Mathematics Olympiad \(IMO\)](#)

[Math League Contests](#)

[Math Olympiads for Elementary & Middle School \(MOEMS\)](#)

[MATHCOUNTS](#)

[Moody's Mega Math \(M<sup>3</sup>\) Challenge](#)  
[USA Mathematical Talent Search \(USAMTS\)](#)

## **Computer Science Competitions**

[ACM High School Programming Contests](#)

[ACSL Computer Science Contest](#)

[Botball Educational Robotics Program](#)

[Davidson Fellows Awards](#)

[ExploraVision Awards Program](#)

[FIRST LEGO League; FIRST Robotics Competition; FIRST Tech Challenge](#)

[Google Code-In](#)

[Google Code Jam](#)

[Intel International Science and Engineering Fair](#)

[International Olympiad in Informatics \(IOI\)](#)

[MIT THINK \(Technology for Humanity Guided by Innovation, Networking, and Knowledge\)](#)

[National Robotics Challenge](#)

[NCWIT Aspirations in Computing Awards](#)

[RoboCup](#)

[Siemens Competition in Math, Science, and Technology](#)

[SIGGRAPH International Conference and Exhibition on Computer Graphics and Interactive Techniques](#)

[TEAMS](#)

[Technology Student Association High School Competition](#)

[USA Computing Olympiad](#)