

## 2020 Summer Circle Project

The Center for Diversity in Engineering at the University of Virginia is proud to announce the opening of the virtual summer school CDE Circle Project.

**Objectives:** The purpose of this program is to engage our engineering students with the community and create a pathway of discovery for 1<sup>st</sup>-12<sup>th</sup> grade students by introducing them to Math, Science and Engineering concepts online in a fun engaging way.

**Class Duration:** Classes will take place Monday through Friday from 2 to 5 PM EST. Each class will extend over one or two weeks depending on its level and contents. Offered classes will repeat throughout June 22<sup>nd</sup> to August 15<sup>th</sup>.

**Class content:** Our students offer to teach a wide range of topics for kids of grades 1 to 12 covering

- Physics of flight, collisions, amusement parks, time travel, and superheroes
- Forensics and crime investigation
- Coding for gamers 101, website design
- Game theory, the math behind decision making, geometry, origami and solving the Rubik's cube
- Basics of the economy and business planning: create your lemonade stand
- Engineering design process
- The Human Body: A Feat of Engineering
- Engineering our immune system
- The Science and chemistry of food, fermentation, cooking
- The Earth and sustainability
- Science and ethics of infectious diseases

**Registration:** you can register for as many classes as you wish. Use the following link to register for classes and to learn more about the content and schedule of every class.

<https://engineering.virginia.edu/about/diversity-and-engagement/cde-circle-k-12-project>

**Costs:** Registration fee is \$120/week (equating to 15 hours of class per week). Classes are limited to 10 participants to allow instructors to tailor instruction more individually and to minimize disruption.

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