



STATE OF DELAWARE
DIVISION OF ENERGY & CLIMATE
100 W. WATER STREET
SUITE 5A
DOVER, DELAWARE 19904

Department of Natural Resources
And Environmental Control

Phone: (302) 735-3480
www.dnrec.delaware.gov/energy

November 21, 2017

Dear Educator:

You and your students are invited and encouraged to participate in the Annual Junior Solar Sprint State Competition, sponsored in partnership by the Delaware Department of Natural Resources and Environmental Control, Division of Energy & Climate and the Delaware Technology Student Association.

Students 5th- 8th grade build and race their own solar-powered model cars in this statewide challenge of creativity, engineering, and speed. The 2018 contest will take place on Thursday, April 26, 2018 at the Delaware State Fairgrounds in Harrington, Delaware, as part of the National Junior Solar Sprint Competition sponsored by the US Army Educational Outreach Program.

Junior Solar Sprint (JSS) presents a hands-on, multidisciplinary exercise in renewable energy education that encourages teamwork and fosters student interest in STEM (science, technology, engineering, and mathematics) fields. Students can flex their creative ingenuity and apply real-world problem-solving in a fun and educational atmosphere.

The winning team will be eligible to compete in the 2018 National JSS Competition, and awards will also be presented for design and engineering.

The Division of Energy & Climate will provide each participating school with two starter Junior Solar Sprint Kits, each consisting of a solar panel, an electric motor, and guidelines. All students will be required to submit a design portfolio, which helps students document their project and learn further about engineering throughout the project. Students will also create a display to accompany their model vehicle, putting its best wheel forward for the People's Choice award. **Students build and test their vehicles over the course of a few months, and arrive on race day with their vehicle and display in-hand. Separately, portfolios are due to the Division of Energy & Climate at 100 W Water St. Suite 5A, Dover, DE 19904, and must be delivered or postmarked by April 5, 2018.** This ensures that all portfolios can be reviewed carefully and fairly prior to the event.

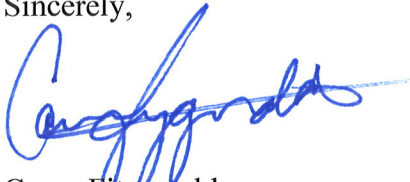
Schools are not required to have a Technology Student Association chapter in order to participate; all are welcome! However, please note that all schools will be required to follow Technology Student Association Guidelines, which can be found at detsa.org/events/2018-states. Please read all guidelines carefully, as they differ from the requirements of DNREC's older Junior Solar Sprint events.

Interested teachers may submit the attached registration form to Caren.Fitzgerald@state.de.us by January 25, 2018.

For questions or additional information, visit detsa.org/events/2018-states, or contact the Division of Energy & Climate at 302-735-3480.

We hope you will join us for this exciting and educational event!

Sincerely,



Caren Fitzgerald
Community Relations Officer
Division of Energy & Climate
Department of Natural Resources and Environmental Control
State of Delaware

Delaware's Good Nature depends on you!