2020 DELAWARE TECHNOLOGY STUDENT ASSOCIATION STATE CONFERENCE – AUGUST 26, 2019 – DRAFT 1

2020 TSA Events Planning Chart. Please note that national affiliation is required prior to state contests. Both state and national membership is unified in the registration system. Any chapter that has not affiliated with national TSA prior to the registration deadline will not be able to enter state events. Additionally, space in some events is limited due to capacity restrictions. Affiliate and register early in order to confirm contests. All space for events are reserved on a first come, first served basis until the allotted event space is filled. Events with low enrollment are subject to be cancelled. All awards earned are by score earned and recommendation of judges. Should you have questions, please contact Mike Fitzgerald, TSA State Advisor.

Middle School Off Site "Static" Events Emailed to Advisors March 4 @ 8 a.m.	Middle School All "Static" Events Due Saturday, March 9 @ 8 a.m. —Noon Collette Center - Room A	Middle School "Live" Events @ TBD Wednesday, April 3 @ 8 a.m.-5:30 p.m.	Middle School "Live" Events @ TBD TSA State Conference Thursday, April 4 @ 8 a.m.-4:30 p.m.
CAD Foundations - (Design Problem) 1-5 individuals **Chapter Team -** (Online Test) 3 teams, 6 members per team **Coding** – (Online Test) 2-12 individuals **Electrical Applications -** (Online Test) 2-6 individuals **Essays on Technology -** (Topic) 1-3 individuals **Tech Bowl -** (Online Test) 3-30 individuals ***Notes:** Online testing is Mar 2-7, 2020 All events in Columns 1 & 2 are to be turned in on March 7. Events in columns 3 & 4 are held live. Only the students who are registered for events on April 1-2, 2020 are to attend on live days.	**Career Prep** – 1-3 individuals per chapter **Children's Stories -** 3 teams, 1-6 members per team **Digital Photography -** 1-6 individuals **Mass Production** – 3 team, 2-5 members per team **Promotional Marketing -** 1-4 individuals **STEM Animation -** 3 teams, 2-6 members per team **Video Game Design -** 3 teams, 2-6 members per team **Website Design -** 3 teams, 3-6 members	**Construction Challenge -** 3 teams per chapter **Dragster -** 1-12 individuals **Electrical Applications -** 3 teams, 2 members per team **Flight -** 1-5 individuals **Inventions & Innovations** – 2 teams, 3 members per team **Maglev Vehicles -** 1-5 individuals, *DE Only Event* **Model Rocketry -** 1-5 individuals, *DE Only Event* **PD Workshop A** (TBA) - 1-10 individuals **PD Workshop B** (TBA) - 1-10 individuals **PD Workshop C** (TBA) - 1-10 individuals **PD Workshop D** (TBA) - 1-10 individuals **Problem Solving -** 3 teams, 2 members per team. Tools and materials will NOT be provided **Structural Engineering -** 3 teams, 2 members per team. Tools and materials will NOT be provided. **System Control Technology -** 2 teams, 3 members per team **Tech Bowl -** By, Invitation. Top 3 teams of 3 students in state compete on-site based on test scores **Awards Ceremony**	**Chapter Team** – By Invitation. Top 3 teams of 6 students in state based on test scores **Challenging Technology Issues -** 3 teams, 2 members per team **Coding** – By, Invitation. Top 6 teams, 2 members per team in state based on test scores **Junior Solar Sprint (JSS) -** 2 Teams, 2-4 members per team. Vehicle must have detachable solar panel. **Leadership Strategies -** 2 teams, 3 members per team **Prepared Speech -** 1-2 individuals **VEX VRC Robotics—** 2 teams, 3-6 member per team **Awards Ceremony**

Planning Draft – DETSA is investigating new host facility. Planned contest details are subject to change.

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High School Off Site "Static" Events Emailed to Advisors March 4 @ 8 a.m.	High School All "Static" Events Due Saturday, March 9 @ 8 a.m. —Noon Collette Center - Room A	High School "Live" Events @ State Fairgrounds TSA State Conference Wednesday, April 3 @ 8 a.m.-5:30 p.m.	High School "Live" Events @ State Fairgrounds TSA State Conference Thursday, April 4 @ 8 a.m.-4:30 p.m.
CAD 2D, Architecture - (Design Problem) 1-5 individuals **CAD 3D, Engineering -** (Design Problem) 1-5 individuals **Chapter Team -** (Online Test) 3 teams, 6 members per team **Essays on Technology -** (Topic) 1-3 Individuals **Technology Bowl -** (Online Test) 3-30 individuals ***Notes:** Online testing is Mar 2-7, 2020 All events in Columns 1 & 2 are to be turned in on March 7. Events in columns 3 & 4 are held live. Only the students who are registered for events on April 1-2, 2020 are to attend on live days.	**3D Animation – 3 teams**, 1-6 members per team **Board Game Design –** 3 teams, 1-6 members per team **Children's Stories –** 3 teams, 1-6 members per team **Digital Video Production -** 3 teams, 1-6 members per team **Engineering Design –** 3 teams, 3 members per team **Fashion Design and Technology -** 3 teams, 2-4 members **Future Technology & Engineering Teacher –** 1-3 individuals **Music Production -** 3 teams, 1-6 members per team **Photographic Technology -** 1-4 individuals **Pin Design -** 1-3 individuals, *DE Only Event* **Promotional Design -** 1-4 individuals **SciVis –** 3 teams, 1-6 individuals **T- Shirt Design -** 1-3 individuals, *DE Only Event* **Video Game Design -** 3 teams, 2-6 members per team **Webmaster -** 3 teams, 3-5 members	**Architectural Design -** 3 teams, 1-6 members per team **Computer Integrated Manufacturing –** 3 teams, 2 members per team **Dragster Design -** 1-12 individuals **Flight Endurance -** 1-5 individuals **Maglev Vehicles -** 1-5 individuals, *DE Only Event* **Model Rocketry -** 1-5 individuals, *DE Only Event* **On Demand Video**—1 team, 2-6 members per team (judged after conference) **PD Workshop A** (TBA) - 1-10 individuals **PD Workshop B** (TBA) - 1-10 individuals **PD Workshop C** (TBA) - 1-10 individuals **PD Workshop D** (TBA) - 1-10 individuals **Structural Design & Engineering -** 3 teams, 2 members per team. Tools and materials will NOT be provided. Teams must provide photo and Data sheet to judges. **System Control Technology -** 2 teams, 3 members per team **Technology Bowl -** By, Invitation. Top 3 teams of 3 students in state compete on-site based on test scores **Technology Problem Solving -** 3 teams, 2 members per team. Tools and materials will NOT be provided **Awards Ceremony**	**Chapter Team -** By Invitation. Top 3 teams of 6 students in state based on test scores **Coding –** 6 teams, 1-2 members per team **Debating Technological Issues -** 2 teams, 2 members per team **Extemporaneous Speech -** 1-2 individuals **Future Technology & Engineering Teacher –** By, Invitation. Top 3 individuals **Prepared Presentation -** 1-3 individuals **VEX VRC Robotics—** 2 teams, 3-6 members per team **Awards Ceremony**

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