**2019-20**

**Competitive Events Offered and Number of Entries per Chapter**

|  |  |  |
| --- | --- | --- |
|  | **MIDDLE SCHOOL EVENTS** |  |
| **Competitive Event** | **Regional Conference** | **State Conference** |
| Biotechnology | - | 1 Team |
| CAD Foundations | - | 2 Individuals |
| Career Prep | 3 Individuals | 1 Individual |
| Challenging Technology Issues | 3 Teams | 1 Team |
| Chapter Team | 2 Teams | 1 Team |
| Children’s Stories | 2 Teams | 1 Team |
| Coding | - | 1 Team |
| Community Service Video | - | 1 Individual or Team |
| Construction Challenge | - | 1 Team |
| Digital Photography | - | 1 Individual |
| Dragster | - | 2 Individuals |
| Electrical Applications | - | 2 Individuals |
| Essays on Technology | - | 1 Individual |
| Flight | - | 2 Individuals |
| Forensic Technology | 2 Teams | 1 Team |
| Inventions and Innovations | - | 1 Team |
| Junior Solar Sprint | - | - |
| Leadership Strategies | 2 Teams | 1 Team |
| Mass Production | - | 1 Team |
| Mechanical Engineering | - | 1 Team |
| Medical Technology | 2 Teams | 1 Team |
| Microcontroller Design | - | 1 Team |
| Off the Grid | - | 1 Team |
| Prepared Speech | 2 Individuals | 1 Individual |
| Problem Solving | 2 Teams | 1 Team |
| Promotional Marketing | - | 2 Individuals |
| STEM Animation | - | 1 Team |
| Structural Engineering | 3 Teams\*\* | 1 Team |
| System Control Technology | - | 1 Team |
| Tech Bowl | 3 Teams | 1 Team |
| Technical Design | - | 1 Team |
| VEX Robotics (IQ and/or VRC) | - | 3 Teams\* |
| Video Game Design | - | 1 Team |
| Website Design | - | 1 Team |
| Fundamentals of Information Technology | - | 2 Individuals |
| Cybersecurity | - | 2 Individuals |
| Data Science and Analytics | - | 2 Teams |

\*If the VEX state contest team count exceeds the maximum capacity for our facility space, the TSA state advisor will notify the chapter advisors, and entries will be reduced to two teams per chapter.

\*\*The regional structural contests for both middle and high school will only complete the qualification and stress testing. Students will NOT build a second bridge onsite at regionals due to time constraints.

|  |  |  |
| --- | --- | --- |
| **HIGH SCHOOL EVENTS** | | |
| **Competitive Event** | **Regional Conference** | **State Conference** |
| 3D Animation | - | 1 Team |
| Animatronics | - | 1 Team |
| Architectural Design | - | 1 Individual or Team |
| Biotechnology Design | - | 1 Team |
| Board Game Design | 3 Teams | 1 Team |
| Chapter Team | 2 Teams | 1 Team |
| Children’s Stories | 3 Individuals or Teams | 1 Individual or Team |
| Coding | - | 1 Individual or Team |
| CAD, Architecture | - | 1 Individual |
| CAD, Engineering | - | 1 Individual |
| Computer Integrated Manufacturing (CIM) | - | 1 Team |
| Debating Technological Issues | 3 Teams | 1 Team |
| Digital Video Production | - | 1 Team |
| Dragster Design | - | 2 Individuals |
| Engineering Design | 3 Teams | 1 Team |
| Essays on Technology | - | 1 Individual |
| Extemporaneous Speech | 2 Individuals | 1 Individual |
| Fashion Design and Technology | - | 1 Team |
| Flight Endurance | - | 2 Individuals |
| Forensic Science | 2 Teams | 1 Team |
| Future Technology Teacher | 2 Individuals | 2 Individuals |
| Music Production | - | 1 Team |
| On Demand Video | - | 1 Team |
| Photographic Technology | - | 1 Individual |
| Prepared Presentation | 2 Individuals | 1 Individual |
| Promotional Design | - | 2 Individuals |
| Scientific Visualization (SciVis) | - | 1 Team |
| Software Development | - | 1 Team |
| Structural Design and Engineering | 3 Teams\*\* | 1 Team |
| System Control Technology | - | 1 Team |
| Technology Bowl | 3 Teams | 1 Team |
| Technology Problem Solving | 2 Teams | 1 Team |
| Transportation Modeling | - | 1 Individual |
| VEX Robotics (VRC) | - | 3 Teams\* |
| Video Game Design | - | 1 Team |
| Webmaster | - | 1 Team |
| Cybersecurity | - | - |
| IT Fundamentals | - | - |

\*If the VEX state contest team count exceeds the maximum capacity for our facility space, the TSA state advisor will notify the chapter advisors, and entries will be reduced to two teams per chapter.

\*\*The regional structural contests for both middle and high school will only complete the qualification and stress testing. Students will NOT build a second bridge onsite at regionals due to time constraints