

# 2022-2023

IDAHO TECHNOLOGY STUDENT ASSOCIATION

## CHAPTER ADVISOR GUIDE



[www.IdahoTSA.com](http://www.IdahoTSA.com)

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# About Idaho TSA

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The Technology Student Association (TSA) is a national organization of students engaged in science, technology, engineering, and mathematics (STEM). TSA chapters take the study of STEM beyond the classroom and give students the chance to pursue academic challenges among friends with similar goals and interests. Together, TSA chapter members work on competitive events, attend conferences on the state and national levels, and learn and apply

leadership skills. TSA chapters also are committed to a national service project and are among the most service-oriented groups in the community. TSA members may become officers within their state and then run for national office.

Open to students enrolled in or who have completed technology education courses, TSA's membership includes more than 250,000 middle and high school students across the United States. TSA is supported by educators, parents, and business leaders who believe in the need for a technologically literate society. Members learn through exciting competitive events, leadership opportunities, and much more. A wide range of activities makes TSA a positive experience for every student.

Idaho TSA was chartered in 1978 when TSA was the American Industrial Arts Student Association (AIASA Inc.). In 1988, AIASA changed its name to Technology Student Association (TSA). Today TSA has over 233,000 middle and high school students and 2500 teachers (advisors) in over 2000 schools in 49 States.

**TSA Mission Statement:** The Technology Student Association (TSA) enhances personal development, leadership, and career opportunities in science, technology, engineering, and math (STEM), whereby members apply and integrate these concepts through intracurricular activities, competitions, and related programs.

**TSA Vision Statement:** TSA is accelerating student achievement and supporting teachers by providing engaging opportunities to develop STEM skills.

**TSA Motto:** Learning to Lead in a Technical World

**TSA Creed:** I believe that Technology Education holds an important place in my life in the technical world. I believe there is a need for the development of good attitudes concerning work, tools, materials, experimentation, and processes of industry. Guided by my teachers, artisans from industry, and my own initiative, I will strive to do my best in making my school, community, state, and nation better places in which to live. I will accept the responsibilities that are mine. I will accept the theories that are supported by proper evidence. I will explore on my own for safer, more effective methods of working and living. I will strive to develop a cooperative attitude and will exercise tact and respect for other individuals. Through the work of my hands and mind, I will express my ideas to the best of my ability. I will make it my goal to do better each day the task before me, and to be steadfast in my belief in my God, and my fellow Americans.

For more information, please contact:

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# Idaho TSA Bylaws

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## Article I: Name

### Section 1

The official name of this organization shall be the Idaho Technology Student Association, and may be referred to as the "ITSA" Chapter.

## Article II: Purposes

### Section 1 – The general purposes of this organization are:

- To assist local chapters in the growth and development of ITSA.
- To assist local chapters in the development of leadership and citizenship in social, economic, educational and civic activities.
- To increase the knowledge and understanding of our industrial technological world.
- To assist Technology Education and Industrial Arts students in the making of informed and meaningful occupational choices and goals.

### Section 2 – The specific purposes of this organization are:

- To develop, through individual and group action, the ability of members to plan and organize together, using a variety of resources to carry out activities and projects to solve problems.
- To explore technology.
- To promote student learning in craftsmanship, scholarship and safety through curricular resource activities.
- To provide good leisure time and recreational activities and hobbies.
- To encourage students in creative expression.
- To develop consumer knowledge and awareness in students.
- To instill desirable work habits and attitudes toward the positive way of life in students, and to foster a deep respect for the dignity of work.
- To assist in providing guidance and counseling for students enrolled in technology education programs, in making informed and meaningful career choices and selected occupational fields.
- To expose students to the responsibility of representing a large membership.
- To prepare individuals for enrollment in advanced or highly skilled vocational and technical education programs.

## Article III: Membership & Organization

### Section 1

The Idaho Technology Student Association is an organization of local association chapters, each operating in accordance with a Charter granted by ITSA.

### Section 2

Each chartered association of the ITSA Chapter will be responsible for all operational activities within the state or geographic region; under the direction of the State Advisor of Technology Education or an appointed representative.

### Section 3

The Administration of ITSA interests will be vested in the State Advisor and State Officers of ITSA.

### Section 4

A local chapter shall use its full school/geographical area name before the acronym ITSA when identifying itself as a local chapter of the ITSA chapter.

### Section 5

Membership eligibility will be governed by ITSA. Annual membership dues shall be determined by ITSA. A local association may be chartered as a member if approved by the State Advisor. The membership year shall be September 1st to August 31st.

## Section 6

Individual membership in ITSA will be through chartered local chapters. A chapter will consist of a school or geographical unit. Each chapter will consist of individual members as described below:

- Active members shall be students who are presently enrolled in or have been previously enrolled in Technology Education, Computer Science, Information Technology, Engineering, Media Technology, and Drafting. An active member shall pay dues as established by ITSA and may hold a national office, state office, participate in national, state, and/or regional competitive events or projects, serve as a national or state voting delegate, or otherwise represent their associations in national or state TSA affairs as may be approved by their association or chapter.
- Associate members shall be students who are enrolled in related fields of instruction with emphasis in technology education, or who have been previously enrolled in technology education programs. An associate member shall pay dues as established by ITSA.
- Alumni members shall consist of those individuals who have completed a technology education program (have been a former active or associate ITSA member), and who have graduated from or left school. Alumni members shall pay dues as established by ITSA. Alumni members shall not have the right to vote or hold office.
- Professional members are those persons engaged in education, business, and industry; who have an interest in ITSA and in the welfare of technology education. Professional members shall pay dues as established by ITSA. Professional members shall not have the right to vote or hold office.
- Honorary/Honorary Life members may be individuals who have made or are making contributions to the advancements of technology education as may be approved by the ITSA executive committee, and shall be exempt from annual dues.

## Section 7

Individual members that have moved to a school or area that does not have an active chapter may continue to be affiliated with ITSA by continuing membership with their former chapter or with a chapter that is closest to them.

## Article IV: State Officers

### Section 1

The state officers of ITSA shall consist of a: President, Vice-President, Secretary, Treasurer, Sergeant-at-Arms, and Reporter. These state officers, along with the ITSA State Advisor and Coordinator(s), will be known collectively as the Executive Committee of ITSA.

### Section 2: Duties of the ITSA State Officers

- President: It shall be the duty of the President of ITSA to preside at all meetings; to make necessary committee appointments including the designation of a committee chairperson; to develop, with the Executive committee, a program of work for his/her term of office; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Vice-President: It shall be the duty of the Vice-President to serve in any capacity as directed by the President; to accept the responsibility of the President as occasions may demand; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Secretary: It shall be the duty of the Secretary to serve in any capacity as directed by the President; to record proceedings of all meetings; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Treasurer: It shall be the duty of the Treasurer to serve in any capacity as directed by the President; to keep records and membership reports as necessary; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Sergeant-at-Arms: It shall be the duty of the Sergeant-at-Arms to serve in any capacity as directed by the President; to help in the preparation and control of the meeting place; in the event that a parliamentarian is not appointed by the President, to assist in conducting all meetings according to parliamentary procedures

as set forth by Robert's Rules of Order Newly Revised; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.

### *Section 3*

Only active members of ITSA will be eligible for a state office. Students cannot be elected to state office during their senior year.

### *Section 4*

No individual may serve more than one term as a state officer in the same office.

### *Section 5*

Individuals elected as State Officers at the annual conference will hold office until the close of the next annual conference, unless removed from office by the State Advisor and/or the State Leadership Coordinator.

### *Section 6*

No chapter may have more than two state officers at any one time.

### *Section 7*

The state ITSA President shall have authority to appoint a credentials committee to review all state officer candidates and their qualifications, and will submit to the voting delegates a slate of all candidates declared eligible for each state office. There will be no additional nomination from the floor. All state officers shall be elected by a majority vote of all of the voting delegates.

### *Section 8*

The Executive Committee may fill, by appointment, any vacancy occurring in the state officers for the unexpired term, except in the office of President, which shall be filled by the Vice-President. In the case of a tie, the President will cast the deciding vote.

## *Article V: Meetings*

### *Section 1*

A State ITSA Conference will be held each year with the time, date, and location designated by the ITSA Board of Directors.

## Section 2

Each chartered delegation will be entitled to one vote for each state officer in attendance {maximum of two (2)}, plus two (2) additional votes for each chapter in that local delegation which has student members in attendance at the conference.

## Section 3

A majority of the registered voting delegates for the state conference shall constitute a quorum.

## Article VI: The Local TSA Advisor

### Section 1

It is recommended that a technology education teacher serve as a local chapter ITSA advisor; however, in cases where there is no such interested teacher, a local state certified educator may be appointed by the school's Principal. The appointed advisor would have all of the rights and privileges of a regular advisor, as long as that chapter is in good standing.

## Article VII: Board of Directors

### Section 1

The ITSA Board of Directors is the policy making body for the administration of ITSA activities and programs.

### Section 2

The ITSA Board of Directors will manage ITSA's finances and will make available an annual report to each chartered delegation.

### Section 3

The Board of Directors will consist of a: President, Vice-President, Secretary, Treasurer, TSA state President, six Regional Representatives, two Industry Representatives, the ITSA CTSO Coordinator, and State Advisor assigned by the Idaho Career and Technical Education.

### Section 4

The duties of the Board of Directors:

- President: It shall be the duty of the President of the Board of Directors of ITSA to schedule and preside at all board meetings; to make necessary committee appointments including the designation of a committee chairperson; to serve as the registered agent ITSA corporation; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Vice-President: It shall be the duty of the Vice-President to serve in any capacity as directed by the President; to accept the responsibility of the President as occasions may demand; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Secretary: It shall be the duty of the Secretary to serve in any capacity as directed by the President; to record proceedings of all meetings; disseminate those records to all members of the board and the state officers within 7 days; make those records available to all advisors on request; provide the annual report to the Secretary of State; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- Treasurer: It shall be the duty of the Treasurer to serve in any capacity as directed by the President, to review quarterly financial reports from the ITSA CTSO Coordinator; to work with the ITSA CTSO Coordinator to develop and maintain a budget, to work with the ITSA CTSO Coordinator to generate the annual report, to disseminate the annual report to the board, state officers and each chartered delegation; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.
- ITSA CTSO Manager: It shall be the duty of the ITSA CTSO Manager to carry out the direction of the board with regard ITSA. Within the parameters of his/her job at the Idaho CTE he will schedule and run FLC, SLC, student officer leadership development and any other duties as assigned.

- State Advisor: is a non-voting member. It shall be the duty of the State Advisor to be the intermediate between the board and the Idaho CTE and National TSA; and to make himself/herself available, as necessary, in promoting the general welfare of ITSA.

### *Section 5*

The elections of officers will occur every other year at odd numbered years. The board of directors will be elected by the chapter advisors present at the time of the election. The election will take place during SLC. If for any reason the election does not occur at that time it is the responsibility of the president of the board to call for a special election that will take place prior to July 1<sup>st</sup>.

### *Section 6*

The ITSA Executive Committee shall consist of ICTE TSA CTSO Manager, ICTE TSA State Advisor, ITSA Board President, ITSA Board Vice President, ITSA Board Secretary, and Treasure. The Executive committee shall address extraneous, extraordinary or sensitive issues.

## Article VIII: Grievances

### *Section 1*

The Grievance procedures of this organization are:

- The complaint must be in written form and filed through the Chapter's Advisor.
- The Chapter's Advisor must determine if there is any credence to the grievance, and if so, sign the written form.
- The grievance, in written form, must be submitted to ITSA's President.
- ITSA's President may serve on the Grievance Committee, along with two other officers or ITSA student members. The ITSA President must appoint the other members to serve on the Committee, selecting only those with no conflict of interest.
- If it is perceived that the ITSA's President has a conflict of interest in the outcome of the grievance, ITSA's Vice President will replace the President, and will also appoint the other two student officers or members.
- The Idaho State Advisor will serve on the committee. The Idaho State Advisor will not have a vote.
- No ITSA member or student officer should be appointed to the Grievance Committee if they have any vested interest in the outcome. This must be looked at very carefully before any appointments or selections are made.
- The decision of the Grievance Committee will be final.

## Article IX: Amendments

### *Section 1*

To amend these bylaws, the proposed amendments(s) must be submitted, in writing, by the chartered delegation to the President of ITSA at least ninety (90) days prior to the State Conference business meeting.

### *Section 2*

A Bylaws Committee of the Board of Directors of ITSA will review all proposed amendments. All approved amendments will be provided upon request to the chartered delegations and the ITSA Officers by the President (Chairman) of the Board of Directors of ITSA, at least thirty (30) days prior to the State Conference business meeting.

### *Section 3*

The proposed amendment(s) must be approved by two-thirds of the voting delegates present.

*Section 4*

Each chartered delegation will be entitled to one vote for each state officer in attendance {maximum of two (2)}, plus two additional votes for each local chapter which has student members in attendance at the conference.

*Section 5*

The President (Chairman) of the Board of Directors of ITSA will be responsible for notifying, in writing, the chartered delegations of adopted amendments sixty (60) days following the annual meeting.

*Section 6*

The approved amendment(s) will become effective in sixty (60) days following the State Conference, unless a different time period is stipulated in the Amendment.

## Idaho TSA State Contacts:

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All communication on behalf of SkillsUSA Idaho will come from the office of Idaho Division of Career Technical Education. The SkillsUSA Idaho State Staff are here to serve the SkillsUSA Members, Advisors, Parents, Administrators, Alumni, etc. Please reach out to us!



**Justin Tate**

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## Idaho TSA State Officers:

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**Jack Yoon**  
**State President**  
*Renaissance High School*  
[president@idahotsa.com](mailto:president@idahotsa.com)



**Caroline Heiner**  
**State Vice President**  
*Mountain View High School*  
[vicepresident@idahotsa.com](mailto:vicepresident@idahotsa.com)



**Konnor Barnes**  
**State Secretary**  
*Renaissance High School*  
[secretary@idahotsa.com](mailto:secretary@idahotsa.com)



**Lyric Rose**  
**State Treasurer**  
*Renaissance High School*  
[treasurer@idahotsa.com](mailto:treasurer@idahotsa.com)



**Finn Reinke**  
**State Reporter**  
*Meridian High School*  
[reporter@idahotsa.com](mailto:reporter@idahotsa.com)



**Luke Crosby**  
**State Sergeant at Arms**  
*Renaissance High School*  
[sergeantatarms@idahotsa.com](mailto:sergeantatarms@idahotsa.com)

## 2022-2023 Calendar of Events:

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\*Calendar information is subject to change. Any changes will be communicated to Advisors

### JULY

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July 13–16, 2022 IDCTE Connect Conference—College of Southern Idaho, Twin Falls

### AUGUST

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August 3-6, 2022 IDCTE Connect Conference—College of Eastern Idaho, Idaho Falls

### SEPTEMBER

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September 19, 2022 BASIC—Idaho State University, Idaho Falls

September 20, 2022 BASIC—College of Southern Idaho, Twin Falls

September 21-24, 2022 IDCTE Connect Conference—Lewis-Clark State College, Lewiston

### OCTOBER

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October 3, 2022 BASIC—North Idaho College, Coeur d'Alene

October 6, 2022 BASIC—Northwest Nazarene University, Nampa

TBD TSA Week

### NOVEMBER

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November 1, 2022 Early Affiliation Deadline

November 8, 2022 National STEM Day

### DECEMBER

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December 2, 2022 Premier Chapter Application *DUE*  
SLC Pin & T-Shirt Design Submissions *DUE*  
SLC Intent to Compete Form *DUE*

### JANUARY

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January 2, 2023 TSA State Leadership Conference Registration Open  
State Officer Application Released

### FEBRUARY

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February 3, 2023 TSA SLC Early Registration Deadline  
TSA Honor Society Applications *DUE*  
TSA Advisor of the Year Applications *DUE*  
State Officer Applications *DUE*

February 10, 2023 TSA SLC Registration Close

TBD Advisor Appreciation Week

### MARCH

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March 2-4, 2023 TSA State Leadership Conference

### JUNE

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June 28-July 2, 2023 National TSA Conference

## Membership:

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The Technology Student Association (TSA) provides student members the opportunity to explore a wide variety of STEM (science, technology, engineering, and mathematics) education and career-interest areas.

All TSA middle school and high school competitive events are correlated with national STEM standards and can be integrated into and enhance a school STEM curriculum. Participation in TSA competitive allows TSA members to apply technology and engineering skills in challenging and innovative ways. Working individually or as a team, TSA members are motivated by the inspiration and enthusiasm gained from being recognized for the successful application of those skills.

Benefits of membership include:

- Local, state, and national competitive events
- Career awareness opportunities
- 21st century leadership skills activities
- Technology literacy development
- National service project
- Networking activities

Scholarship and award opportunities

## Membership Fees

### National TSA Affiliation

**Red Chapter Affiliation Program (Red CAP)** – A chapter affiliates up to 10 members by paying a flat fee (additional members may be added during the year for a fee). The membership fee for Red CAP is \$120 at the national level, plus state dues.

**White Chapter Affiliation Program (White CAP)** – A chapter affiliates 11 or more members by paying a per member fee for state and national dues. The membership fee for White CAP is \$12 per member at the national level, plus state dues.

**Blue Chapter Affiliation Program (Blue CAP)** – A chapter affiliates an unlimited number of members in a school for a flat fee. This option is popular among chapters where students rotate through a STEM class for a portion of the year to enable all students to be members. The membership fee for Blue CAP is \$400 at the national level, plus state dues.

### State TSA Affiliation

**Red** – up to 10 members = \$130.00 (\$13.00 each additional member)

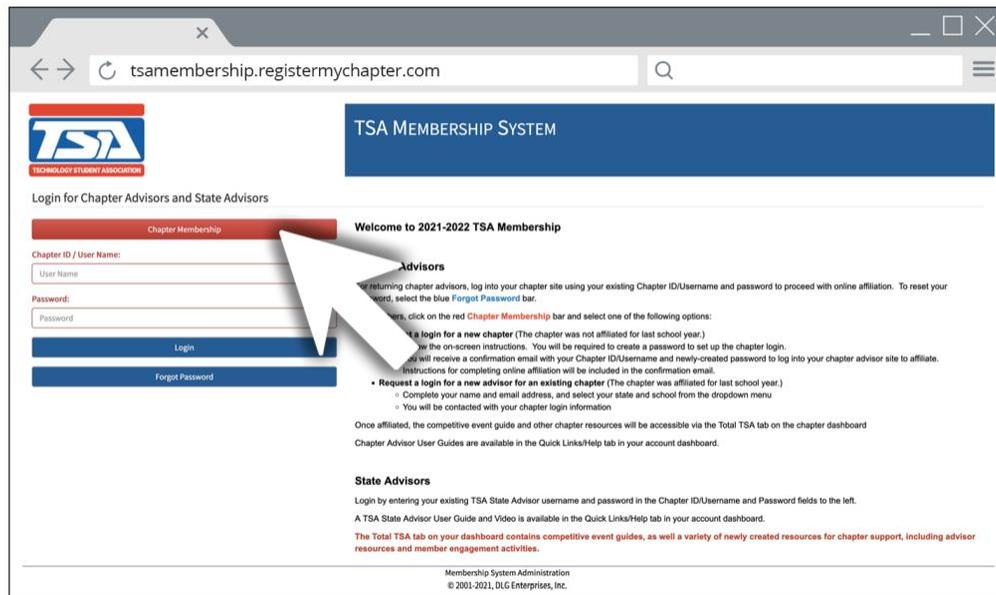
**White** – 11 or more members = \$13.00 per member

**Blue** – 30 or more members = \$390.00

### Cost of Affiliation

*Example: 8 students and 2 advisors = 10 members*  
\$130.00 (State Fees) + \$120.00 (National Fees) = **\$250.00 Dues**

# How to Register for Membership



Follow these six steps to get your chapter affiliated!

1. Go to [TSAweb.org](https://tsaweb.org) and click on the **Join/Login** link in the upper right corner.
2. Read the information about requesting a chapter login.
3. Click on the red **Chapter Membership** bar.
4. Select the login request option that applies to you.
5. Complete the requested information and click the blue **Submit** button at the bottom of the page.
6. You will receive an email with your chapter login information.

Once you log into your chapter site, user guides are available under the Quick Links & Help tab on your chapter dashboard.

**Questions?** Contact the State Office or [register@tsaweb.org](mailto:register@tsaweb.org)

# State Awards and Recognition:

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## Advisor and Member of the Month Recognition

The Advisor and Member of the Month Recognition is presented to TSA chapter advisors and members who have worked hard to demonstrate outstanding service and support to their Idaho TSA chapter.

Recipients will be recognized on a monthly basis on the Idaho TSA website, Idaho TSA social media platforms, and in a weekly update.

Advisors and Members cannot receive this award more than once in one school year. However, if not selected, a submission may be sent multiple times.

### Who Qualifies

TSA Chapter Advisors and Members who have demonstrated outstanding accomplishments in their chapter. Some examples of accomplishments include, but are not limited to:

- Support to and recruitment of student members
- Notable projects within the chapter's program of work
- Participation in TSA at the state and national levels; and facilitation and leadership skills.

### Who Can Nominate

TSA student members, teachers/advisors, and the state advisor are eligible to nominate individuals for this award. To nominate a candidate, please complete the form listed on the Idaho TSA website. Please make sure to fill out the form professionally and include a photo of the Advisor or Member to share.

Access the submission form here: <https://forms.gle/JWr7gbjTxCo2tk5U9>

**Submit nominations by the third Friday of each month to be considered.**

## Chapter Advisor of the Year Award

The Chapter Advisor of the Year Award is presented to TSA chapter advisors who have provided exemplary service and support to TSA. Both past and current contributions are considered. Chapter advisors cannot receive this award two years in a row. Cover sheets and additional materials are not accepted.

Recipients are recognized at the national TSA conference.

### Who Qualifies

TSA Chapter Advisors who have shown outstanding performance in the following areas:

- Support to and recruitment of student members
- Sponsorship of officer candidates beyond the chapter level
- Notable projects within the chapter's program of work

Participation in TSA at the state and national levels; and facilitation and leadership skills.

### Who Can Nominate

TSA student members, teachers/advisors, and the state advisor in the nominee's state are eligible to nominate individuals for this award.

To nominate a candidate, please complete the nomination form listed in the back of this document. The nomination form can also be found in the Advisor Resources section of the Idaho TSA website.

Submit nomination form to the State Office by **February 3rd, 2023**

## Idaho TSA Premier Chapter Award

The Idaho TSA Premier Chapter Award recognizes and celebrates TSA chapters that work hard to prepare students for success! As we all know, preparation is the key to success.

Chapters are recognized at the State Leadership Conference and are awarded with a banner to proudly display in their school.

### Who Qualifies

As we all know, preparation is the key to success. The Premier Chapter Award is given to chapters that complete the following items throughout the year:

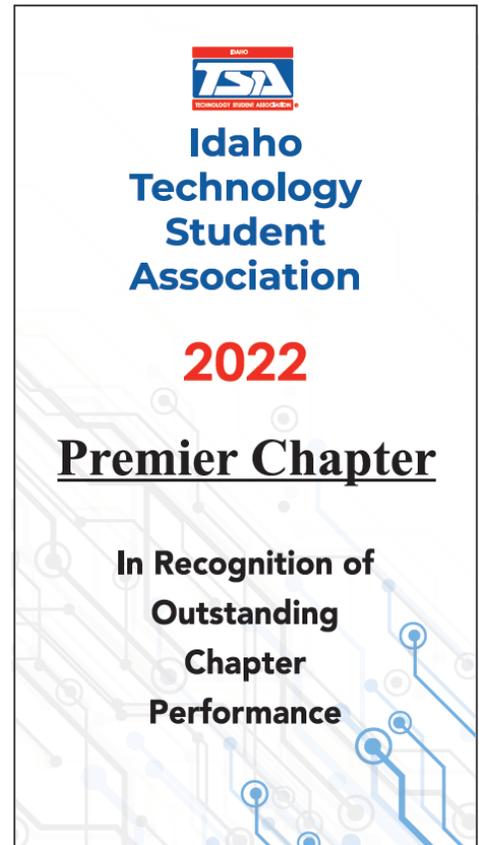
- Affiliated by the November 1st early affiliation deadline
- Completes a Program of Work for the Year
- Has at least two elected Chapter Officers
- Attend an IDCTE BASIC Conference
- Submits an Intent to Compete Form

### Due Date

The Premier Chapter Award application is due on **December 2nd, 2022**.

Submission instructions are listed on the form in the back of this document.

The application form can also be found in the Advisor Resources section of the Idaho TSA website.



## TSA Technology Honor Society

The TSA Technology Honor Society recognizes students for their efforts in academic studies, in leadership, and in service to their school and community. Recipients will be presented with a TSA Honor Cord at the State Leadership Conference and will be submitted for recognition at the National Level.

The goals of the Technology Honor Society are

- To motivate TSA members to work to improve and maintain high academic marks.
- To promote the undertaking of leadership roles in school and community organizations.
- To promote participation in service activities that benefit a school or community.
- To recognize student concern for chapter, school, and community.



### Requirements

For a student member of TSA to be inducted into the TSA Technology Honor Society, s/he must first meet a set of specified standards or requirements. These standards cover three areas: academics, leadership, and service. (Note: items used for the middle school level application may not be used again for the high school level application.) The requirements are as follows:

- Applicant must be a graduating senior.
- Applicant must have actively participated in TSA during their senior year.
- Applicant must have a minimum of two years of TSA experience.
- Applicant must have a Letter of Recommendation from a current or past TSA Advisor.
- Maintain at least a 3.0 grade point average (GPA) based on a 4.0 grade point scale, or equivalent.
- Maintain a 3.0 grade point average (GPA) based on a 4.0 grade point scale or equivalent in technology education classes, if currently enrolled in such classes.

### Due Date

The Honor Society Application form can be found in the Forms section of this document and on the Idaho TSA Website under both Student and Advisor Resources.

Honor Society Applications are due **February 3<sup>rd</sup>, 2023**

# Idaho TSA Pin and T-Shirt Contests

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## Pin Contest

Idaho TSA chapters who participate in this contest are required to develop and present a pin design for Idaho TSA to be traded at the National TSA Conference and displayed at the Idaho State Leadership Conference. A three-person committee, organized by the Idaho TSA State Advisor, will select the winning design. Entries are limited to one per affiliated Idaho TSA member. This contest is open to both middle and high school chapters.

**The winning chapter will receive a \$150 credit towards State Leadership Conference registration.**

## Contest Rules and Regulations

Pin must be designed for a lapel type of pin and limited to no more than four (4) colors. The pin must have color separations (this does not count as one of your four colors). Gold or silver may be requested with the design.

- All participants must be affiliated members of TSA and follow the procedures established in this document.
- The pin must be designed for a lapel type of pin and limited to no more than four (4) colors. The pin must have color separations (this does not count as one of your four colors.) Gold or silver may be requested with the design.
- Digital format must be included with the 1 ¼” by 1 ¼” color print out to be considered for the competition. Larger printouts can be included to view detail (this is in addition to an actual-size printout, not in replacement).
- The pin design is an individual and/or team event.
- An original line-type illustration(s) must be used, which communicates an Idaho theme, and incorporates “Idaho and TSA” (for trading at the TSA National Conference).
- Use of copyrighted or registered artwork in the design is prohibited without verified permission from the original artist/publisher.
- Prepare a printed full color picture for the design entry. Public domain computer clipart may be included in the design.
- Please submit entries electronically as a vector type file or as JPG.
- Email final design to: [andrew.armstrong@cte.idaho.gov](mailto:andrew.armstrong@cte.idaho.gov) and [mckenna.stallones@cte.idaho.gov](mailto:mckenna.stallones@cte.idaho.gov)

**Pin design submissions are due on December 2nd, 2022**

## T-Shirt Contest

Idaho TSA chapters who participate in this contest are required to develop and present a T-shirt design for Idaho TSA to be used as the official shirt at the Idaho State Leadership Conference. A three-person committee organized by the Idaho TSA State Advisor will select the winning design. Entries are limited to one per affiliated Idaho TSA member. This contest is open to both middle and high school chapters.

**The winning individual will be recognized at the State Leadership Conference and see their design on display as part of the official Idaho TSA State Leadership Conference T-shirt.**

## Contest Rules and Regulations

- All Participants must be registered participants of TSA and follow the procedures established in this document.
- The T-shirt design is an individual event. Recognition will be given to the individual effort.
- Submissions must include a solid background color that will represent T-shirt color.
- Entries should be created in a design software package such as Illustrator, Photoshop or InDesign.
- Design entries should be approximately 7 inches wide by 7 inches tall. The art does not have to be square, nor to these exact dimensions. The art does not have to be square, nor to these exact dimensions.
- An original line-type illustration(s) must be used, which communicates the Idaho theme “A Legacy of Innovation”, and incorporates “Idaho TSA” and “2023”.
- T-shirt designs should be limited to no more than four (4) colors.
- Use of copyrighted or registered artwork in the design is prohibited without verified permission from the original artist/publisher.
- Public domain computer clipart may be included in the design.
- Please submit entries electronically as a JPG or PDF file type.
- Submissions must include a solid background color that will represent the T-shirt color.
- Email final design to: [andrew.armstrong@cte.idaho.gov](mailto:andrew.armstrong@cte.idaho.gov) and [mckenna.stallones@cte.idaho.gov](mailto:mckenna.stallones@cte.idaho.gov)

**T-Shirt design submissions are due on December 2nd, 2022**



2022 Pin and T-Shirt Design Winner

# Idaho TSA State Leadership Conference:

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The Idaho TSA State Leadership Conference gives TSA members the opportunity to compete, attend leadership workshops, and network with members from across the state! Each affiliated member, both at the Middle School and the High School level, has the opportunity to compete in up to 6 contest areas!

A wide variety of contests are offered in areas such as: Digital Video Production, Computer-Aided Design (CAD) Architecture and Engineering, Music Production, Video Game Design, and more. Students earning the highest scores in each contest area are awarded 1st, 2nd and 3rd place medals and will be announced at our closing ceremonies session in front of their parents, teachers, and fellow Idaho TSA members. Winners will also qualify to compete at the National TSA Conference in June 2023!

**When:** March 2<sup>nd</sup> – 4<sup>th</sup>, 2023

**Where:** West Ada Training Center  
1303 E. Central Dr.  
Meridian, ID 83642

**Theme:** “A Legacy of Innovation”

*\*SLC Information is subject to change*

## How to Register your Chapter

### Step 1: National Affiliation

The first step to becoming an official TSA chapter is to affiliate with the National TSA organization.

1. Go to the top of the homepage on [TSAweb.org](https://TSAweb.org) and click on **Login**.
2. Follow the instructions for **Chapter Advisors**. New advisors may request a login on this page.
3. Enter your username and password and select **Affiliation and Updates** from the dropdown menu.
4. Enter or review/update your chapter information. You will be required to create a TOTAL TSA password in order to proceed to the next step. Click on *Submit* at the bottom of the page once all information is completed.
5. Verify your advisor information and click *Submit*.
6. A TEAMS information screen will be displayed. You may sign up for TEAMS and it will be added to your affiliation invoice or you may select the third option to continue TSA affiliation.
7. The *Chapter Information* page will be displayed. You may edit your chapter information, input your roster, or add advisors. (Once you submit a student member’s name, they are a member of TSA and **may not be removed or replaced by another student** during the membership year). **Do not enter a student’s name on your roster unless you are certain they will be an active TSA member.**
8. View invoice and payment screen.
9. Review your invoice and select a payment option.
10. Click submit.
11. Submit the invoice to your financial department for payment.
12. Fax the approved purchase order to 703-758-4852.

Please note chapter affiliation is not complete until national TSA receives payment or an approved purchase order for payment.

## Step 2: State Conference Registration

Once you have received confirmation that your chapter has officially affiliated with National TSA, you may register for state conference. Registration for the conference MUST be completed online. **There will be NO ON-SITE REGISTRATIONS FOR ANY TSA CONFERENCES.**

Registration is quick and easy. It allows an advisor to edit a chapter's competitive events at the click of a mouse. All conference registration and changes must be completed by midnight on the deadline. **THERE WILL BE NO EXCEPTIONS!**

- To begin the registration process for the state conference, go to [www.Registeryourchapter.com/tsa/id/Main.asp](http://www.Registeryourchapter.com/tsa/id/Main.asp) and click on CONFERENCE REGISTRATION.
- All registration materials, including online registration, printed housing lists and liability forms, MUST be completed and turned in along with payment to the state office or hotel PRIOR to the deadlines published in this guide.
- No forms or payments will be accepted at the conference. **NO EXCEPTIONS WILL BE ALLOWED!**
- Please note: If a chapter has not paid the conference registration fee by the published deadline, they will NOT be permitted to participate in the conference.

## Payment Information

Payment can be made by check, or money order. **No purchase orders will be accepted.**

## Registration Fees

Spring Leadership Conference (SLC):

- \$55.00 – Students and Advisors
- \$15.00 Guests/Parents/Chaperones

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**Your cost would be \$800.00:**  $\{National\ Red\ chapter\ fee\ of\ \$120.00\} + \{State\ Red\ Fees\ of\ \$130.00\} + \{10\ @\ \$55.00\ (SLC\ Fees)\} = \$550.00\}$

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- Once online registration is completed, the computer system will allow chapter advisors to print out a copy of the registration invoice. *Advisors will not receive another copy.*
- **ALL ATTENDEES**, including students, teachers, advisors, parents and chaperones who are actively taking part in the conference activities **are required to pay the registration fee.**

## Late Registration Fee

Failure to register for the State Leadership Conference by the deadline (see page 13) results in the following fees:

- \$10.00 – Students and Advisors
- \$10.00 Guests/Parents/Chaperones

## Idaho TSA Dress Code:

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Competition or General Session Attire as listed below is considered appropriate for dress conference activities and public appearances. Since advisors, parents, and guests serve as role models at TSA Conferences and activities, they too are expected to dress appropriately.

During general sessions at the state/national conference, student members must follow the national dress code listed below. Adults must dress appropriately. Official TSA Attire is encouraged, but not required for the Idaho State Leadership Conference.

The Official TSA Competition Attire will only be **required** for students who attend the TSA National Conference or serve as State Officers. New State Officer Candidates will follow “General Session Attire” through the State Conference.

For the State Conference, if there is a safety concern with “General Session Attire” for a specific event, shop aprons may be worn over “General Session Attire” at the discretion of the Event Coordinator and Judges for that event.

**Chapter and State Advisors are responsible for ensuring that all TSA members follow the TSA dress code, as occasions require. Official TSA attire may be purchased at the TSA website: <https://tsastore.mybrightsites.com/>**

### Appropriate Competition Attire

- **Shirt:** official royal blue TSA shirt
- **Pants or skirt:** gray
- **Shoes:** black dress shoes worn with black or dark blue socks, hosiery (optional); open-toed shoes or sandals are acceptable (unacceptable: athletic shoes; flip-flops; military boots; or work boots)

### Required for Chapter Team event only (but may be worn for other competitions if preferred by participants)

- **Blazer:** navy blue with official TSA patch
- **Tie:** official TSA tie (males)
- Females are not penalized for wearing the official TSA tie to Chapter Team or any other competitive event

### General Session Attire:

- **Shirt:** the official TSA shirt (royal blue) is preferred, button-down shirt or a polo/golf shirt (unacceptable: t-shirts; halter tops; tank tops)
- **Dress, skirt, or pants:** (unacceptable: jeans; baggy pants; exterior pocket pants; shorts)
- **Shoes:** dress shoes worn with dark socks, hosiery (optional); open-toe shoes or sandals are acceptable (unacceptable: athletic shoes; flip-flops; military boots; or work boots)

**Casual attire may not be worn at competitions or General Sessions.**

# Idaho TSA State Leadership Conference Competitive Events:

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\*Please Note: Event availability is subject to change. Advisors will be notified of any changes.

For all competitive event themes for the national conference, please visit: <https://tsaweb.org/competitions-programs/tsa/themes-problems>. You can access the ITSA website at <https://cte.idaho.gov/students/student-organizations/tsa/>. Please use this source to access any needed information or forms. The website is updated frequently, and contains news and updates!

## Idaho TSA Core Competitive Events

The Core Events are competitive events that Idaho TSA will offer at the State Leadership Conference, no matter the number of registrants

## Non-Core Events

Non-Core Events are competitions that will only be offered at the State Leadership Conference if eight or more participants commit to competing in that competition on the Intent to Compete Form.

## Intent to Compete Form

The Idaho TSA Intent to Compete Form is used to build our SLC Competitive Events. By submitting the number of students in your chapter intending to compete in specific events, the State Staff, Board of Directors, and Contest Coordinators are able to use the information in order to provide the correct amount of materials and supplies, food estimates, judges, locations, etc.

The Intent to Compete form is required, and must be submitted no later than **December 2nd, 2023**

The Intent to Compete form is listed in the forms section of this guide, or available on the Idaho TSA website. Please review the list of contests for 2022-2023 on the following pages. When completing the form, fill in the number of students interested in competing in each contest.



For Level I event themes, visit <https://tsaweb.org/competitions-programs/tsa/themes-problems>  
For Level I updates & clarifications, visit <https://tsaweb.org/competitions-programs/tsa/competition-updates>

### **Biotechnology**

To address the annual theme, participants select a contemporary biotechnology issue and demonstrate understanding of the topic through their documented research and an original display. Semifinalists participate in an interview.

### **CAD Foundations**

Participants demonstrate their understanding of CAD fundamentals by creating a two-dimensional (2-D) graphic representation of an engineering part or object and answering questions from evaluators about their entry.

### **Career Prep**

Based on the annual theme, participants conduct research on a technology-related career, prepare a letter of introduction to a potential employer, and develop a job-specific resume. Semifinalists participate in a mock job interview.

### **Challenging Technology Issues**

Following the onsite random selection of a technology topic from a group of pre-conference posted topics, participants work to prepare for and deliver a debate-style presentation, in which they explain opposing views of the selected topic.

### **Chapter Team**

Participants take a parliamentary procedure written test to qualify for the semifinal round of competition. Semifinalists conduct an opening ceremony, items of business, parliamentary actions, and a closing ceremony.

### **Children's Stories**

Participants create an illustrated children's story based on the annual theme. The entry product is a physical storybook of artistic, instructional, and social value. Semifinalists read their story aloud and participate in an interview.

### **Coding**

To qualify for the semifinal round of competition, participants take a written test that concentrates on computer science and coding. Semifinalists demonstrate their programming knowledge by developing a solution to an onsite coding challenge.

### **Community Service Video**

Participants create a video that depicts the local TSA chapter's involvement in a community service project. Semifinalists deliver a presentation on the project and participate in an interview.

### **Construction Challenge**

Participants submit a scale model, display, and documentation portfolio for a design that fulfills a community need related to construction. Semifinalists deliver a presentation about their entry and participate in an interview.

### **Cybersecurity Foundations**

Participants take a written test that assesses knowledge of cybersecurity vocabulary and the skills needed to execute common cybersecurity tasks. Using digital presentation software, semifinalists deliver a presentation that addresses the annual theme/problem.

### **Data Science and Analytics**

Participants conduct research on the annual topic, collect data, use analytics to assess the data and make predictions, and document their work in a portfolio and a display. To address a challenge presented onsite at the conference, semifinalists review specific data sets, provide insights, make predictions, and present their findings for evaluation.

### **Digital Photography**

Participants produce and submit a digital photographic portfolio that relates to the annual theme. Semifinalists participate in an onsite photographic challenge and a presentation/interview.

### **Dragster**

Participants design, draw, and construct a CO<sub>2</sub>-powered dragster that adheres to the annual specifications, design and documentation requirements, and theme. Semifinalists participate in an interview and compete in a double-elimination race.

### **Electrical Applications**

Participants take a written test on basic electrical and electronic theory. In response to an onsite challenge, semifinalists assemble a specified circuit from a schematic diagram, make required electrical measurements, and explain their solution in an interview.

### **Essays on Technology**

Participants conduct research on specific subtopics from a broad technology area posted as part of the annual theme. Using a previously prepared note card as an approved resource, participants draft an outline of the subtopic randomly selected onsite at the conference. Semifinalists write an essay on that subtopic.

### **Flight**

Participants submit a documentation portfolio and fabricate a glider designed to stay in flight for the greatest elapsed time. Semifinalists use their technical drawing skills to construct a glider that is flown onsite.

### **Forensic Technology**

Participants take a written test of basic forensic science theory to qualify for the semifinal round of competition. Semifinalists participate in an onsite forensic skills demonstration.

### **Foundations of Information Technology (FIT)**

Participants take a written exam that covers the essential IT skills and knowledge that are needed to execute tasks commonly performed by IT professionals. Topics include operating systems, network connectivity, and software applications.

### **Inventions and Innovations**

To address the annual theme, participants research a need - and brainstorm a solution - for an invention or innovation of a device, system, or process. Participants document their work in an interactive display and the creation of a model/prototype. Semifinalists deliver a presentation about their work and participate in an interview.

### **Junior Solar Sprint (JSS)**

Participants apply STEM concepts, creativity, teamwork, and problem-solving skills to design, construct, and race a solar-powered model car. Documentation of the process is required. [Learn more about JSS](#), then [register on Cvent](#) to begin the JSS journey.

### **Leadership Strategies**

Participants prepare for and deliver a presentation about a specific challenge that officers of a TSA chapter might encounter. Semifinalists follow the same competition procedure but must respond to a different chapter challenge.

### **Mass Production**

Participants manufacture a marketable product that addresses the annual theme. The development of the product prototype is documented in a portfolio that presents participant knowledge and skills related to the mass production process. Through a demonstration of the prototype and an interview, semifinalists support the viability of the prototype.

### **Mechanical Engineering**

Participants design, document, and build a mechanical device (mousetrap car) that incorporates the elements of the annual theme/problem – and then race the car. Finalists are determined based on an evaluation of the documentation portfolio, the race exit interview, and the race placement.

### **Medical Technology**

Participants conduct research on a contemporary medical technology issue related to the annual theme, document their research, create a display, and build a prototype. Semifinalists deliver a presentation about their entry and participate in an interview.

### **Microcontroller Design**

To address the annual theme/problem, participants design and create a working digital device, document the development process, and demonstrate their product as part of a presentation.

### **Off the Grid**

Based on the annual theme, participants conduct research on a sustainable architectural design for a home in a country not their own. Participants produce a portfolio and create a display and a model. Semifinalists present their design and participate in an interview.

### **Prepared Speech**

Participants deliver a timed speech that relates to the theme of the current national TSA conference. Semifinalists and finalists are determined using the same competition procedure.

### **Problem Solving**

Participants use problem-solving skills to design and build a solution to an onsite challenge. Solutions are evaluated using measures appropriate to the challenge, such as elapsed time, horizontal or vertical distance, and/or strength.

### **Promotional Marketing**

Participants create and submit a marketing portfolio and required elements that address the annual theme/problem. Semifinalists complete a layout and design assignment for evaluation.

### **STEM Animation**

Participants design and create a STEM animation video and documentation portfolio to address the annual theme/problem. Semifinalists present their animation and explain the elements of their portfolio/entry.

### **Structural Engineering**

Participants apply the principles of structural engineering to design and construct a structure that complies with the annual challenge. An assessment of the required documentation and the destructive testing of the structure (to determine its design efficiency) determine both semifinalists and finalists.

### **System Control Technology**

In response to a challenge presented onsite at the conference, participants analyze a problem (typically one in an industrial setting), build and program a computer-controlled mechanical model to solve the problem, explain the program and the features of the mechanical model solution, and provide instructions for evaluators to operate the device.

### **Tech Bowl**

Participants demonstrate their knowledge of TSA and concepts addressed in technology content standards by completing a written, objective test. Semifinalists participate in a head-to-head, team competition.

### **Technical Design**

Participants demonstrate their ability to use the technical design process to solve an engineering design problem provided onsite at the conference. Required elements of the entry are presented in a portfolio that includes technical drawings for a minimum of three viable solutions.

### **VEX IQ Challenge**

Participants collaborate on a robotics project - in which they build a robot that incorporates the relationship among STEM fields - culminating in a head-to-head game that evaluates the robot's efficiency and productivity.

### **Video Game Design**

Participants design, build, provide documentation for, and launch an E-rated, online game on a subject of their choice. Onsite at the conference, semifinalists deliver a presentation and participate in an interview to demonstrate the knowledge and expertise gained during the development of the game.

### **Website Design**

To address the annual challenge, participants design, build, provide documentation for, and launch a website that incorporates the elements of website design, graphic layout, and proper coding techniques. Semifinalists participate in an interview to demonstrate the knowledge and expertise gained during the development of the website.

## Middle School Events - Core

Competition	Team / Individual	Min. Participants	Max Participants Per Chapter
<b>CAD Foundations</b>	Individual Event	1	12
<b>Career Prep</b>	Individual Event	1	12
<b>Digital Photography</b>	Individual Event	1	12
<b>Dragster</b>	Individual Event	1	12
<b>Essays on Technology</b>	Individual Event	1	12
<b>Flight</b>	Individual Event	1	12
<b>Prepared Speech</b>	Individual Event	1	12
<b>Chapter Team</b>	Team Event	Team Size: 6	6
<b>Construction Challenge</b>	Team Event	Team Size: 2	6
<b>Electrical Applications</b>	Team Event	Team Size: 2	2
<b>Inventions &amp; Innovations</b>	Team Event	Team Size: 3	6
<b>Junior Solar Sprint</b>	Team Event	Team Size: 2	4
<b>Mass Production</b>	Team Event	Team Size: 3	6
<b>Problem Solving</b>	Team Event	Team Size: 2	2
<b>Structural Engineering</b>	Team Event	Team Size: 2	2
<b>Technology Bowl</b>	Team Event	Team Size: 3	3
<b>Video Game Design</b>	Team Event	Team Size: 2	6

## Middle School Events - Non-Core

Competition	Team / Individual	Min. Participants	Max Participants Per Chapter
<b>Cybersecurity Foundations</b>	Individual	1	12
<b>Foundations of Information Technology (FIT)</b>	Individual	1	12
<b>Promotional Marketing</b>	Individual	1	
<b>Children's Stories</b>	Individual or Team	1	6
<b>Community Service Video</b>	Individual or Team	1	6
<b>Microcontroller Design</b>	Individual or Team	1	6
<b>Off The Grid</b>	Individual or Team	1	6
<b>Biotechnology</b>	Team	3	6
<b>Challenging Technology Issues</b>	Team	2	2
<b>Coding</b>	Team	2	2
<b>Data Science &amp; Analytics</b>	Team	2	3
<b>Forensic Technology</b>	Team	2	2
<b>Leadership Strategies</b>	Team	3	3
<b>Mechanical Engineering</b>	Team	2	3
<b>Medical Technology</b>	Team	6	6
<b>STEM Animation</b>	Team	2	6
<b>System Control Technology</b>	Team	3	3
<b>Technical Design</b>	Team	2	2
<b>Website Design</b>	Team	3	6
<b>VEX IQ Challenge</b>			



For Level II event themes, visit <https://tsaweb.org/competitions-programs/tsa/themes-problems>

For Level II updates & clarifications, visit <https://tsaweb.org/competitions-programs/tsa/competition-updates>

### **Animatronics**

To address the annual design challenge, participants exhibit and demonstrate their knowledge of mechanical and control systems by creating an animatronic device with a specific purpose (i.e., communicate an idea, entertain, demonstrate a concept, etc.) that includes sound, lights, and an appropriate surrounding environment (a display).

### **Architectural Design**

In response to the annual design challenge, participants develop a set of architectural plans and related materials, and construct both a physical and computer-generated model to accurately depict their design. Semifinalists deliver a presentation and participate in an interview.

### **Audio Podcasting**

Participants use digital audio technology to create original content for a podcast piece that addresses the annual theme. The podcast must feature high level storytelling techniques, voice acting, and fully sound effects; the full entry must include documentation of the podcast development process and elements. Semifinalists participate in an interview.

### **Biotechnology Design**

Participants select a contemporary biotechnology problem that addresses the annual theme and demonstrates understanding of the topic through documented research, the development of a solution, a display (including an optional model or prototype), and an effective multimedia presentation. Semifinalists deliver a presentation and participate in an interview.

### **Board Game Design**

Participants develop, build, and package a board game that focuses on a subject of their choice. Creative packaging, and the instructions, pieces, and cards associated with the pilot game will be evaluated. Semifinalists set up the game, demonstrate how the game is played, explain the game's features, and discuss the design process.

### **Chapter Team**

Participants take a parliamentary procedure written test to qualify for the semifinal round of competition. Semifinalists conduct an opening ceremony, items of business, parliamentary actions, and a closing ceremony.

### **Children's Stories**

In response to the annual theme, participants create an illustrated children's story of artistic, instructional, and social value, and submit documentation related to the development of the physical storybook. Semifinalists read their story aloud and participate in an interview.

## **Coding**

Participants take a written test, which concentrates on aspects of coding, to qualify for the semifinal round of competition. Semifinalists develop a software program – in a designated amount of time – that accurately addresses an onsite problem.

## **Computer-Aided Design (CAD), Architecture**

Participants use complex computer graphic skills, tools, and processes to respond to a design challenge in which they develop representations of architectural subjects, such as foundation and/or floor plans, and/or elevation drawings, and/or details of architectural ornamentation or cabinetry. The solution to the design challenge and participant answers in an interview are evaluated.

## **Computer-Aided Design (CAD), Engineering**

Participants use complex computer graphic skills, tools, and processes to respond to a design challenge in which they develop three-dimensional representations of engineering subjects, such as a machine part, tool, device, or manufactured product. The solution to the design challenge and participant answers in an interview are evaluated.

## **Data Science and Analytics**

Participants identify a societal issue, collect or compile data from various sources about the issue, and then produce documentation and a digital scientific poster about their findings. Semifinalists create a synopsis and digital visual representation of a data set provided in an onsite challenge.

## **Debating Technological Issues**

Participants research the annual topic and subtopics and prepare for a debate against a team from another chapter. Teams are instructed to take either the pro or con side of a selected subtopic, submit a summary of references, and use their research to support their assigned position. The quality of a team's debate determines semifinalists and finalists.

## **Digital Video Production**

Participants develop and submit a digital video and a documentation portfolio (including such items as a storyboard, script, summary of references and sources, and equipment list) that reflects the annual theme. Semifinalists participate in an interview.

## **Dragster Design**

Participants design, draw, and construct a CO<sub>2</sub>-powered dragster that adheres to specifications, design and documentation requirements, and the annual theme. Semifinalists compete in a double-elimination race and participate in an interview.

## **Drone Challenge (UAV)**

Participants design, build, assemble, document, and test fly an open-source Unmanned Aerial Vehicle (UAV) according to the stated annual theme/problem specifications. The required documentation portfolio must include elements such as a photographic log, wiring schematics, and a description of the programming software used. Semifinalists participate in an interview.

## **Engineering Design**

Participants develop a solution to an annual theme that is based on a specific challenge noted by the National Academy of Engineering (NAE) in its compilation of the grand challenges for engineering in the 21st century. The solution will include a documentation portfolio, a display, and a model/prototype. Semifinalists deliver a presentation and participate in an interview.

### **Essays on Technology**

Participants are given two hours to write a research-based essay - with citations - using an essay prompt and two (2) or more sources provided onsite. The essay must include insightful thoughts about the current technological topic presented in the prompt.

### **Extemporaneous Speech**

Participants select a technology-related or TSA topic from among three topic cards and prepare and give a three-to-five-minute speech that communicates their knowledge of the chosen topic. The quality of the speech determines advancement to the semifinalist level of competition, for which an identical competition procedure is followed to determine finalists.

### **Fashion Design and Technology**

To address the annual theme, participants demonstrate expertise in fashion design principles by creating a wearable garment, garment patterns, and a documentation portfolio. Semifinalist teams present their garment designs (worn by team models), discuss the design process with evaluators, and respond to interview questions.

### **Flight Endurance**

Participants design, build, fly, and adjust (trim) a rubber-band powered model aircraft to make long endurance flights inside a contained airspace. Documentation (including elements such as attributes of the model design, drawings, and an analysis of the trim modifications), an inspection of the model and the required model flight box, and official times for two flights are aspects of the evaluation.

### **Forensic Science**

Participants take a written test of basic forensic science to qualify for the semifinal round of competition. Semifinalists examine a mock crime scene and demonstrate their knowledge of forensic science through crime scene analysis, with the findings synthesized in a written report/analysis.

### **Future Technology Teacher**

Participants research a developing technology, prepare a video showing an application of the technology in the classroom, and create a lesson plan/activity that features the application and connects to the Standards for Technological and Engineering Literacy (STEL), as well as STEM initiatives and integration. Semifinalists demonstrate the lesson plan and answer questions about their presentation.

### **Geospatial Technology**

To address the issue presented in an annual theme, participants interpret geospatial data and develop a digital portfolio containing maps, data, and pertinent documentation. Semifinalists defend their projections and visual infographic during a presentation/interview.

### **Manufacturing Prototype**

Participants design, fabricate, and use Computer Integrated Manufacturing (CIM) to create a product that addresses the annual theme. A documentation portfolio and the completed product prototype are submitted for evaluation. Semifinalists give a product "sales pitch" and demonstration.

### **Music Production**

Participants produce an original musical piece designed to be played during the closing session of the national TSA conference. The quality of the musical piece and required documentation (including elements such as a plan of work, self-evaluation, and a list of hardware, software, and instruments used) determines advancement to the semifinal level of competition, during which semifinalist participants are interviewed.

## **On Demand Video**

Once participants receive the challenge details (required criteria, such as props and a line of dialogue) at the national TSA conference, they have 36 hours to produce a 60-second film that showcases video skills, tools, and communication processes. The quality of the completed video production determines the finalists.

## **Photographic Technology**

Participants produce a photographic portfolio - demonstrating expertise in photo and imaging technology processes - to convey a message based on the annual theme. Semifinalists have 24 hours to complete a portfolio of photos (with required documentation) taken onsite at the national TSA conference. Finalists are determined based on the quality of the semifinal portfolio, the portfolio presentation, and interview responses.

## **Prepared Presentation**

Participants deliver a three-to-five-minute oral presentation related to the current national TSA conference theme. Both semifinalists and finalists are determined based on the quality of the presentation and the appropriate use and content of the accompanying required slide deck.

## **Promotional Design**

Participants use computerized graphic communications layout and design skills to produce a promotional resource packet. The resource must address the annual theme/problem and include at least four printed publication items and required documentation. Semifinalists demonstrate publishing competency in an onsite technical design challenge.

## **Senior Solar Sprint**

The Senior Solar Sprint (SSS) competition is funded by the [Army Educational Outreach Program \(AEOP\)](#) and managed by TSA. Students apply scientific understanding, creativity, experimentation, and teamwork to design, build, and race a model solar vehicle that carries a payload; documentation of the process is required. Students must [register on Cvent](#) to participate and begin the SSS journey.

### **Software Development**

Participants use their knowledge of cutting-edge technologies, algorithm design, problem-solving principles, effective communication, and collaboration to design, implement, test, document, and present a software development project of educational or social value. Both semifinalists and finalists are determined based on the quality of the presentation and project.

## **Software Development**

Participants use their knowledge of cutting-edge technologies, algorithm design, problem-solving principles, effective communication, and collaboration to design, implement, test, document, and present a software development project of educational or social value. Both semifinalists and finalists are determined based on the quality of the presentation and project.

## **Structural Design and Engineering**

Participants apply the principles of structural engineering to design and construct a structure that complies with the annual challenge. An assessment of the required documentation and the destructive testing of the structure (to determine its design efficiency) determine both semifinalists and finalists.

## **System Control Technology**

Participants develop a solution to a problem (typically one from an industrial setting) presented onsite at the conference. They analyze the problem, build a computer-controlled mechanical model, program the model, demonstrate the programming and mechanical features of the model-solution in an interview, and provide instructions for evaluators to operate the model.

### **Technology Bowl**

Participants demonstrate their knowledge of TSA and concepts addressed in technology content standards by completing a written, objective test. Semifinalist teams participate in a question/response, head-to-head, team competition.

### **Technology Problem Solving**

Participants use problem-solving skills to design and construct a finite solution to a challenge provided onsite at the conference. Solutions are evaluated at the end of 90 minutes using measures appropriate to the challenge, such as elapsed time, horizontal or vertical distance, and/or strength.

### **Transportation Modeling**

Participants research, design, and produce a scale model of a vehicle that complies with the annual design problem. A display for the model and a documentation portfolio – containing elements such as a description of the vehicle, photographs and commentary detailing the vehicle production, and technical illustrations – are required. Semifinalists participate in an interview.

### **VEX Robotics Competition**

Participants collaborate on a robotics project in which they build a robot that incorporates the relationship among STEM fields; the competition culminates in a head-to-head game that assesses the efficiency and productivity of the robot.

### **Video Game Design**

Participants design, build, and launch an E-rated online video game – with accompanying required documentation - that addresses the annual theme. Semifinalists participate in an interview to demonstrate the knowledge and expertise they gained during the development of the game.

### **Virtual Reality Visualization (VR)**

Participants use video and 3D computer graphics tools and design processes to create a two-to-three-minute VR visualization (accompanied by supporting documentation) that addresses the annual theme. Semifinalists deliver a presentation about their visualization and participate in an interview.

### **Webmaster**

Participants design, build, and launch a website that addresses the annual challenge. Semifinalists participate in an interview to demonstrate the knowledge and expertise gained during the development of the website.

## High School Events - Core

Competition	Team / Individual	Min. Participants	Max Participants Per Chapter
<b>CAD Architecture</b>	Individual Event	1	12
<b>CAD Engineering</b>	Individual Event	1	12
<b>Dragster Design</b>	Individual Event	1	12
<b>Essays on Technology</b>	Individual Event	1	12
<b>Extemporaneous Speech</b>	Individual Event	1	12
<b>Flight Endurance</b>	Individual Event	1	12
<b>Photographic Technology</b>	Individual Event	1	12
<b>Prepared Presentation</b>	Individual Event	1	12
<b>Promotional Design</b>	Individual Event	1	12
<b>Architectural Design</b>	Individual or Team Event	Team Size: 1 to 6	Max Teams Per Chapter: 4
<b>Children's Stories</b>	Individual or Team Event	Team Size: 1 to 6	Max Teams Per Chapter: 3
<b>Digital Video Production</b>	Individual or Team Event	Team Size: 1 to 6	5
<b>Music Production</b>	Individual or Team Event	Team Size: 1 to 6	Max Teams Per Chapter: 4
<b>Chapter Team</b>	Team Event	Team Size: 6	Max Teams Per Chapter: 2
<b>Coding</b>	Team Event	Team Size: 2	Max Teams Per Chapter: 5
<b>Debating Technological Issues</b>	Team Event	Team Size: 2	Max Teams Per Chapter: 5
<b>Drone Challenge (UAV)</b>	Team Event	Team Size: 2 to 6	Max Teams Per Chapter: 5
<b>Engineering Design</b>	Team Event	Team Size: 3 to 6	Max Teams Per Chapter: 5
<b>Fashion Design &amp; Technology</b>	Team Event	Team Size: 2 to 4	Max Teams Per Chapter: 4
<b>On Demand Video</b>	Team Event	Team Size: 2 to 6	Max Teams Per Chapter: 4
<b>Structural Design &amp; Engineering</b>	Team Event	Team Size: 2	Max Teams Per Chapter: 4
<b>Technology Bowl</b>	Team Event	Team Size: 3	Max Teams Per Chapter: 2
<b>Technology Problem Solving</b>	Team Event	Team Size: 2	TBD
<b>Video Game Design</b>	Team Event	Team Size: 2 to 6	Max Teams Per Chapter: 5
<b>VEX Robotics</b>	Team Event		Max Teams Per Chapter: 5

## High School Events - Non-Core

Competition	Team / Individual	Min. Participants	Max Participants Per Chapter
<b>Future Technology and Engineering Teacher</b>	Individual Event	1	12
<b>Transportation Modeling</b>	Individual Event	1	12
<b>Audio Podcasting</b>	Individual or Team Event	Team Size: 1 to 6	
<b>Data Science and Analytics</b>	Individual or Team Event	Team Size: 1 to 2	
<b>Virtual Reality Realization</b>	Individual or Team Event	Team Size: 1 to 6	
<b>Animatronics</b>	Team Event	Team Size: 2 to 6	
<b>Board Game Design</b>	Team Event	Team Size: 2 to 6	
<b>Biotechnology Design</b>	Team Event	Team Size: 2 to 6	
<b>Forensic Science</b>	Team Event	Team Size: 2	
<b>Geospatial Technology</b>	Team Event	Team Size: 2 to 3	
<b>Manufacturing Prototype</b>	Team Event	Team Size: 2 to 6	
<b>Senior Solar Sprint</b>	Team Event	Team Size: 2 to 4	
<b>Software Development</b>	Team Event	Team Size: 2 to 6	
<b>System Control Technology</b>	Team Event	Team Size: 3	
<b>Webmaster</b>	Team Event	Team Size: 2 to 6	



2022-2023

IDAHO TECHNOLOGY STUDENT ASSOCIATION

FORMS

Visit <http://idahotsa.com/resources> for fillable forms

# Intent to Compete Form



## INSTRUCTIONS

Please indicate the number of students intending to compete in the space following the competitive event. This designation will indicate the intent of your chapter to compete in that particular state event at the Middle School level or Secondary level.

- Core contests are located in the highlighted blue field and are currently scheduled to be offered at the 2022 SLC.
- Non-core (not highlighted) contest will be offered if eight or more participants commit to competing by the December 2nd deadline.

Submit the form by emailing a copy to Andrew Armstrong: [andrew.armstrong@cte.idaho.gov](mailto:andrew.armstrong@cte.idaho.gov)

YOUR SCHOOL/CHAPTER WILL BE EXPECTED TO COMPETE AT THE STATE COMPETITION IN THE EVENTS MARKED ON THE FORM. THIS FORM IS DUE NO LATER THAN NOVEMBER 19, 2021.

Advisor Name: \_\_\_\_\_

School: \_\_\_\_\_

Chapter Type (Check One): Middle School \_\_\_\_\_

High School \_\_\_\_\_

### Middle School Core Events

Competitive Event Name	Number of Students to Compete
CAD Foundations	_____
Career Prep	_____
Digital Photography	_____
Dragster	_____
Essays on Technology	_____
Flight	_____
Prepared Speech	_____
Chapter Team	_____
Construction Challenge	_____
Electrical Applications	_____
Inventions & Innovations	_____
Junior Solar Sprint	_____

Mass Production	_____
Problem Solving	_____
Structural Engineering	_____
Technology Bowl	_____
Video Game Design	_____

**Middle School Non-Core Events**

<b>Competitive Event Name</b>	<b>Number of Students to Compete</b>
Cybersecurity Foundations	_____
Foundations of Information Technology (FIT)	_____
Promotional Marketing	_____
Children's Stories	_____
Community Service Video	_____
Microcontroller Design	_____
Off The Grid	_____
Biotechnology	_____
Challenging Technology Issues	_____
Coding	_____
Data Science & Analytics	_____
Forensic Technology	_____
Leadership Strategies	_____
Mechanical Engineering	_____
Medical Technology	_____
STEM Animation	_____
System Control Technology	_____
Technical Design	_____
Website Design	_____
VEX IQ Challenge	_____

## High School Core Events

Competitive Event Name

Number of Students to  
Compete

Coding	_____
CAD Architecture	_____
CAD Engineering	_____
Dragster Design	_____
Essays on Technology	_____
Extemporaneous Speech	_____
Flight Endurance	_____
Photographic Technology	_____
Prepared Presentation	_____
Promotional Design	_____
Architectural Design	_____
Children's Stories	_____
Digital Video Production	_____
Music Production	_____
Chapter Team	_____
Debating Technological Issues	_____
Drone Challenge (UAV)	_____
Engineering Design	_____
Fashion Design & Technology	_____
On Demand Video	_____
Structural Design & Engineering	_____
Technology Bowl	_____
Technology Problem Solving	_____
Video Game Design	_____
VEX Robotics	_____

## High School Non-Core Events

Future Technology and Engineering Teacher	_____
Transportation Modeling	_____
Audio Podcasting	_____
Data Science and Analytics	_____
Virtual Reality Realization	_____
Animatronics	_____
Board Game Design	_____
Biotechnology Design	_____
Forensic Science	_____
Geospatial Technology	_____
Manufacturing Prototype	_____
Senior Solar Sprint	_____
Software Development	_____
System Control Technology	_____
Webmaster	_____

**Advisor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

# Chapter Advisor of the Year Award



The Chapter Advisor of the Year Award is presented to TSA chapter advisors who have provided exemplary service and support to TSA. Both past and current contributions are considered. Chapter advisors cannot receive this award two years in a row. Cover sheets and additional materials are not accepted.

Recipients are recognized at the national TSA conference.

## WHO QUALIFIES

TSA Chapter Advisors who have shown outstanding performance in the following areas:

1. Support to and recruitment of student members
2. Sponsorship of officer candidates beyond the chapter level
3. Notable projects within the chapter's program of work
4. Participation in TSA at the state and national levels; and facilitation and leadership skills.

## WHO CAN NOMINATE

TSA student members, teachers/advisors, and the state advisor in the nominee's state are eligible to nominate individuals for this award.

To nominate a candidate, please complete page 1 and 2 of the nomination form. Submit all 3 pages to your state advisor. Award deadlines may vary by state.

# Chapter Advisor of the Year Award NOMINATION FORM



Middle School    High School

To be complete by the Nominee

Name of Nominee: \_\_\_\_\_

School: \_\_\_\_\_

Principal's Name: \_\_\_\_\_

School Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Number of Years Teaching: \_\_\_\_\_

Science, Technology, Engineering or Math Education Courses Currently Teaching: \_\_\_\_\_

## PROMOTING TSA

Indicate the number of students you have taught and advised during the past three years.

Number of students taught

Year1: \_\_\_\_\_ Year2: \_\_\_\_\_ Year3: \_\_\_\_\_

Number of TSA members advised

Year1: \_\_\_\_\_ Year2: \_\_\_\_\_ Year3: \_\_\_\_\_

Indicate the number of officer candidates you have sponsored for positions beyond the chapter level during your teaching career:

Regional: \_\_\_\_\_

State: \_\_\_\_\_

National: \_\_\_\_\_

## **CHAPTER ACCOMPLISHMENTS**

List major projects that represent your chapter's program of work.

## **FACILITATION SKILLS**

Describe how you recruit students for your TSA chapter.

Describe how projects are planned and accomplished in your chapter.

## LEADERSHIP SKILLS

To be completed by the State Advisor

Describe the advisor's participation in TSA at the state level.

Describe the advisor's participation at the national level.

List other organizations and activities in which the advisor is involved.

We certify that the claim and information reported on behalf of the advisor are true and accurate.

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Chapter President

Date

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School Administrator

Date

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State Advisor (If the state advisor is the local advisor, another local advisor must sign this form.)

Date

## INSTRUCTIONS

- Please submit this form only.
- Advisors cannot receive this award two years in a row.

# Premier Chapter Award Application



Idaho TSA is excited to celebrate chapters that work hard to prepare students for success! As we all know, preparation is the key to success. Please complete this Premier Chapter Form and receive an Idaho TSA Premier Chapter banner that can be proudly displayed in your classroom!

## INSTRUCTIONS

- Complete the above form and any required attachments
- Submit this form and required attachments by emailing to Andrew Armstrong (Andrew.armstrong@cte.idaho.gov)
- Advisors cannot receive this award two years in a row.

Advisor Name: \_\_\_\_\_

School: \_\_\_\_\_

1. Are you an Affiliated Advisor?

Yes

No

2. Program of Work completed and submitted?

Yes

No

*(Submission of Program of Work is required to qualify for Premier Chapter. Please attach your chapter's Program of Work to your submission)*

3. Officers List the names of at least two Chapter

Officer #1:

Officer #2:

4. List the names of your chapter officers that attended BASIC Training

Officer #1:

Officer #2:

Officer #3:

Officer #4:

Officer #5:

Officer #6:

5. Intent to Compete Form completed and submitted?

Yes

No

(Deadline to submit Intent to Compete form is November 12, 2021 and is required to qualify for Premier Chapter)

# TSA Technology Honor Society



The TSA Technology Honor Society recognizes students for their efforts in academic studies, in leadership, and in service to their school and community. Recipients will be presented with a TSA Honor Cord at the State Leadership Conference and will be submitted for recognition at the National Level.

The goals of the Technology Honor Society are

- To motivate TSA members to work to improve and maintain high academic marks.
- To promote the undertaking of leadership roles in school and community organizations.
- To promote participation in service activities that benefit a school or community.
- To recognize student concern for chapter, school, and community.

## Requirements

For a student member of TSA to be inducted into the TSA Technology Honor Society, s/he must first meet a set of specified standards or requirements. These standards cover three areas: academics, leadership, and service. (Note: items used for the middle school level application may not be used again for the high school level application.) The requirements are as follows:

- Applicant must be a graduating senior.
- Applicant must have actively participated in TSA during their senior year.
- Applicant must have a minimum of two years of TSA experience.
- Applicant must have a Letter of Recommendation from a current or past TSA Advisor.
- Maintain at least a 3.0 grade point average (GPA) based on a 4.0 grade point scale, or equivalent.
- Maintain a 3.0 grade point average (GPA) based on a 4.0 grade point scale or equivalent in technology education classes, if currently enrolled in such classes.

## Due Date

Honor Society Applications are due **February 3<sup>rd</sup>, 2023**

## INSTRUCTIONS

- Complete the application form completely with all required
- Attach a letter of recommendation from your Advisor
- Attach a copy of proof of GPA (unofficial school transcript)
- Attach essay section
- Submit this form and required attachments by emailing to Andrew Armstrong (Andrew.armstrong@cte.idaho.gov)

# TSA Technology Honor Society Application



Name of Candidate: \_\_\_\_\_

School: \_\_\_\_\_

School Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

**1. Have you participated in at least three TSA conferences? Please discuss your answer:**

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**2. Have you, or are you currently, serving in a leadership role at a chapter or state level? Please discuss your answer:**

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**3. Have you participated in TSA at a national level? Please describe your TSA experiences, including any awards received:**

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**4. Please describe your involvement with any TSA related community service projects:**

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## Essay Section

With TSA, there are many responsibilities for each member from participating in competitions to helping the chapter with meetings. It is important for each member of the chapter to contribute equally and share their best attributes that they can bring to the table. Furthermore, it is also important for members of a team to hold key values. The following are several key values that the TSA State Officer team finds truly important. To further demonstrate how you bring your best to your TSA chapter and are leaving your legacy with your chapter

**Please write a short essay on one of the following prompts:**

- Modeling the Way
- Challenging the Process
- Enabling Others to Act

**The essay should be between 250-500 words in length and describe the applicant's participation in the local TSA Chapter.**

**Candidate Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Recommending Advisor Name:** \_\_\_\_\_

**Recommending Advisor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**School Administrator Name:** \_\_\_\_\_

**School Administrator Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

# Idaho TSA Pin Design Contest



Idaho TSA chapters who participate in this contest are required to develop and present a pin design for Idaho TSA to be traded at the National TSA Conference and displayed at the Idaho State Leadership Conference. A three-person committee, organized by the Idaho TSA State Advisor, will select the winning design. Entries are limited to one per affiliated Idaho TSA member. This contest is open to both middle and high school chapters.

**The winning chapter will receive a \$150 credit towards State Leadership Conference registration.**

## Contest Rules and Regulations

Pin must be designed for a lapel type of pin and limited to no more than four (4) colors. The pin must have color separations (this does not count as one of your four colors). Gold or silver may be requested with the design.

- All participants must be affiliated members of TSA and follow the procedures established in this document.
- The pin must be designed for a lapel type of pin and limited to no more than four (4) colors. The pin must have color separations (this does not count as one of your four colors.) Gold or silver may be requested with the design.
- Digital format must be included with the 1 ¼” by 1 ¼” color print out to be considered for the competition. Larger printouts can be included to view detail (this is in addition to an actual-size printout, not in replacement).
- The pin design is an individual and/or team event.
- An original line-type illustration(s) must be used, which communicates an Idaho theme, and incorporates “Idaho and TSA” (for trading at the TSA National Conference).
- Use of copyrighted or registered artwork in the design is prohibited without verified permission from the original artist/publisher.
- Prepare a printed full color picture for the design entry. Public domain computer clipart may be included in the design.
- Please submit entries electronically as a vector type file or as JPG.
- Email final design to: [andrew.armstrong@cte.idaho.gov](mailto:andrew.armstrong@cte.idaho.gov) and [mckenna.stallones@cte.idaho.gov](mailto:mckenna.stallones@cte.idaho.gov)

**Pin design submissions are due on December 2nd, 2022**

# Idaho TSA T-Shirt Design Contest



Idaho TSA chapters who participate in this contest are required to develop and present a T-shirt design for Idaho TSA to be used as the official shirt at the Idaho State Leadership Conference. A three-person committee organized by the Idaho TSA State Advisor will select the winning design. Entries are limited to one per affiliated Idaho TSA member. This contest is open to both middle and high school chapters.

**The winning individual will be recognized at the State Leadership Conference and see their design on display as part of the official Idaho TSA State Leadership Conference T-shirt.**

## Contest Rules and Regulations

- All Participants must be registered participants of TSA and follow the procedures established in this document.
- The T-shirt design is an individual event. Recognition will be given to the individual effort.
- Submissions must include a solid background color that will represent T-shirt color.
- Entries should be created in a design software package such as Illustrator, Photoshop or InDesign.
- Design entries should be approximately 7 inches wide by 7 inches tall. The art does not have to be square, nor to these exact dimensions. The art does not have to be square, nor to these exact dimensions.
- An original line-type illustration(s) must be used, which communicates the Idaho theme “A Legacy of Innovation”, and incorporates “Idaho TSA” and “2023”.
- T-shirt designs should be limited to no more than four (4) colors.
- Use of copyrighted or registered artwork in the design is prohibited without verified permission from the original artist/publisher.
- Public domain computer clipart may be included in the design.
- Please submit entries electronically as a JPG or PDF file type.
- Submissions must include a solid background color that will represent the T-shirt color.
- Email final design to: [andrew.armstrong@cte.idaho.gov](mailto:andrew.armstrong@cte.idaho.gov) and [mckenna.stallones@cte.idaho.gov](mailto:mckenna.stallones@cte.idaho.gov)

**T-Shirt design submissions are due on December 2nd, 2022**