

Workshop Descriptions – FLC 2024

9:00 a.m. – 10:00 a.m. General Session (ALL MEMBERS AND ADVISORS ATTEND)

10:15 am a.m. – 11:00 a.m. Break Out Session 1

Title: University of Oklahoma – Engineering Design Challenge

Description: Get ready to dive into the world of engineering with the University of Oklahoma! In this hands-on workshop, students will take on an exciting challenge: designing a device capable of taking down a tower. Guided by expert engineers, you'll explore the principles of physics, mechanics, and creative problem-solving. Test your ideas, work collaboratively, and see who can create the ultimate tower-toppling device.

Who Should Attend: Anyone who enjoys an engineering challenge!

Room: Oklahoma Ballroom AB

Title: Oklahoma State University – STEM Challenge

Description: Join the OSU STEM Challenge for an exciting, hands-on experience where TSA members will use the engineering design process to tackle a real-world problem! In this dynamic workshop, you'll brainstorm, design, and prototype innovative solutions using creativity, teamwork, and STEM skills. Guided by OSU experts, you'll put your engineering know-how to the test and compete to see whose solution stands out.

Who Should Attend: STEM enthusiasts and problem solvers!

Room: Oklahoma Ballroom CD

Title: Networking 101: How to Turn Awkward Small Talk into Big Opportunities

Description: Ever found yourself at an event, clutching a cup of punch, nervously waiting for the perfect moment to jump into a conversation? Or maybe you've spent hours wondering how to stay in touch with someone without coming off as creepy? Fear not, future leaders – this workshop is for you! In this fun, interactive session, we'll tackle the art of networking with a mix of real-world tips, light-hearted group activities, and plenty of laughs. Learn how to introduce yourself like a pro, keep the conversation flowing, and actually remember names (yes, there's a trick for that). We'll also cover the secret sauce to maintaining connections – without it feeling like a never-ending game of email tag. Whether you're prepping for your next career fair or just want to feel more confident building relationships with professors, professionals, and peers, this workshop will have you mastering the art of networking in no time.

Who Should Attend: Everyone!

Room: Oklahoma Ballroom EF

Title: TSA Updates

Description: Tami Redus, TSA State Advisor will give important updates on the regional and state conferences, and available awards, and answer any questions from advisors.

Who Should Attend: TSA Advisors only!

Room: Oklahoma G

Title: Cybersecurity: Implications for OK Classrooms

Description: Join the Oklahoma Cyber Innovation Institute (OCII) for an exciting update on the transformative impact of the American Rescue Plan Act (ARPA) in developing Oklahoma's advanced cyber talent! Aligned with the University of Tulsa, the OCII has been hard at work across the state, with a mission to position Oklahoma as a national leader in cybersecurity. This session will showcase the OCII's outreach efforts in K-12 classrooms and explore how these initiatives are driving economic growth and opportunity. Discover how OCII's work is shaping the future of cyber education and learn about the exciting opportunities still on the horizon!

Who Should Attend: Anyone interested in cybersecurity!

Room: Oklahoma H

Title: Cybersecurity Unlocked: Exploration into the Top Cyber Threats

Description: Join us and uncover the thrilling world of cybersecurity! Dive into the top cyber threats facing Oklahoma, and put your skills to the test with interactive, hands-on challenges. By the end of this exciting session, you'll walk away equipped with the knowledge to navigate confidently and securely the ever-evolving digital landscape!

Who Should Attend: Tech enthusiasts and future cyber defenders!

Room: Oklahoma Ballroom I

Title: Soaring into the Future: Exploring Aviation Careers with the FAA

Description: Join the Federal Aviation Administration (FAA) for an exciting workshop exploring the wide range of careers available in the aviation industry! Representatives from the FAA will discuss various career paths, from air traffic control to aviation safety, engineering, and more. In addition to learning about these opportunities, students will get a hands-on experience with flight simulators, allowing them to test their piloting skills and get a real feel for what it's like to work in aviation. This is a great opportunity to discover the exciting future awaiting you in aviation!

Who Should Attend: Aspiring pilots, engineers, and aviation enthusiasts!

Room: Oklahoma Ballroom J

Title: STEM Challenge – Oklahoma Institute of Technology

Description: Explore the exciting world of STEM at our hands-on workshop, led by experts from OSUIT! Dive into engaging activities that showcase real-world applications of science, technology, engineering, and math. You'll work on interactive projects, solve challenging problems, and gain insight into how STEM is shaping the future. Whether you're already passionate about STEM or just curious to learn more, this workshop offers a fun and dynamic way to experience the skills and innovation that drive these fields. Perfect for students eager to explore STEM careers and expand their knowledge!

Who Should Attend: Perfect for students eager to explore STEM careers and expand their knowledge!

Room: University A

Title: STEM Challenge – Moon Buggy

Description: Gear up for an out-of-this-world experience in the NASA Human Exploration Rover Challenge! In this exciting technology challenge, students will take on the role of NASA engineers, designing and building a prototype inspired by real-life space exploration. Put your creativity and technical skills to the test as you work to solve challenges faced in human exploration of other planets.

Who Should Attend: Aspiring innovators ready to explore new frontiers!

Room: University B

Title: The Traces You Leave at the Scene

Description: Join Dr. Rhonda Williams, forensic instructor at the University of Central Oklahoma, for an exciting deep dive into forensic science in "The Traces You Leave at the Scene!" In this hands-on workshop, you'll explore real-world crime-solving techniques, focusing on toolmark identification, hair and fiber analysis, and cutting-edge biometrics. Dr. Williams will guide you through how investigators use these critical traces to connect suspects to crime scenes and crack even the most complex cases. Don't miss this opportunity to learn from a forensic expert and experience the science behind the clues!

Who Should Attend: Forensic Science and Forensic Technology Competitors!

Room: University C

Title: Tips and Tricks for Competitive Events

Description: The 2024-2025 high school guide introduces an exciting new addition: STEM Mass Media! Join Valerie McCauley, an advisor and member of the national Competition Regulations Committee (CRC), as she shares insider details on this innovative event. Plus, get the scoop on key updates to current competitions and ensure you're up to speed on all the latest changes!

Who Should Attend: TSA competitors serious about winning!

Room: Boomer A

Title: Leadership Quest: Unlock your Potential

Description: Join us for Leadership Quest, an interactive workshop where you'll learn to set SMART goals and explore key leadership skills. Through fun activities and hands-on challenges, discover how to inspire others, overcome obstacles, and lead with confidence.

Who Should Attend: Perfect for anyone looking to level up their leadership game!

Room: Boomer B

Title: Tune into TSA Leadership

Description: Amplify your leadership skills in "Tune into TSA Leadership." Learn to listen like a leader, confidently communicate, and authentically steer a group with passion. Whether you're leading a team, running for office, or just looking to amplify your impact, you'll leave with the tools to turn up the tempo in your TSA journey and beyond. Learn the traits that the best leaders have in common, and don't miss your chance to hit play, connect, and lead like a pro. Your leadership playlist starts now!

Who Should Attend: EVERYONE!

Room: Sooner A

Title: From State Fright to Stage Delight: Strategies for Public Speaking

Description: Do you feel anxious or unsure when it's time to speak in front of a group? If so, this workshop is designed to help you become a confident and effective public speaker! Through interactive activities, you'll develop essential communication skills that will empower you in speaking events, interviews, or even running for office. By the end of the session, you'll have practical techniques to apply in real-world situations, helping you speak with ease and excel in any speaking environment.

Who Should Attend: Anyone looking to improve their public speaking skills!

Room: Sooner B

9:30 a.m. – 10:30 a.m. General Session

11:15 am – 12:00 pm Break Out Session 2

Title: University of Oklahoma – Engineering Design Challenge

Description: Get ready to dive into the world of engineering with the University of Oklahoma! In this hands-on workshop, students will take on an exciting challenge: designing a device capable of taking down a tower. Guided by expert engineers, you'll explore the principles of physics, mechanics, and creative problem-solving. Test your ideas, work collaboratively, and see who can create the ultimate tower-toppling device.

Who Should Attend: Anyone who enjoys an engineering challenge!

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Title: Oklahoma State University – STEM Challenge

Description: Join the OSU STEM Challenge for an exciting, hands-on experience where TSA members will use the engineering design process to tackle a real-world problem! In this dynamic workshop, you'll brainstorm, design, and prototype innovative solutions using creativity, teamwork, and STEM skills. Guided by OSU experts, you'll put your engineering know-how to the test and compete to see whose solution stands out.

Who Should Attend: STEM enthusiasts and problem solvers!

Room: Oklahoma Ballroom CD

Title: Speak Up & Stand Out: Public Speaking for TSA Pros

Description: Public speaking can feel a little scary—like, *sweaty palms* and *forgot-what-I-was-going-to-say* scary. But as a member of the Technology Student Association, you've already proven that you're up for a challenge! Now it's time to level up your skills and learn how to own the room when it's your turn to speak. In this hands-on, interactive workshop, we'll help you turn that stage fright into stage might! You'll learn how to express yourself confidently, handle nerves like

a pro, and represent yourself and TSA with pride. From delivering a powerful introduction to mastering the art of answering questions on the spot, this workshop is packed with fun exercises and practical tips. Whether you're preparing for competitions, leadership roles, or just want to make sure people are listening when you speak, this workshop has you covered. Expect team activities, mini-speaking challenges, and maybe even a chance to show off your skills with a *mock competition* at the end! Get ready to speak up, stand out, and represent TSA like a true leader.

Who Should Attend: Everyone!

Room: Oklahoma Ballroom EF

Title: Advisor Forum

Description: In this workshop, you'll have the opportunity to connect with expert event managers who specialize in specific competitive events. These professionals will be available to answer all your questions, provide insights, and offer guidance tailored to each competition. Whether you're seeking clarification on event rules, strategies for success, or tips for preparing your team, this session is your chance to get expert advice directly from those who know the events best!

Who Should Attend: Advisors only!

Room: Oklahoma G

Title: New MS Robotics Event

Description: In this workshop, you'll have the opportunity to connect with the event managers who wrote the new Middle School Robotics competition. These experts will lead the session, providing detailed insights and answering all your questions about the event. Whether you're looking for clarification on the rules, strategies for designing and programming your robot, or tips for preparing your team, this is your chance to get firsthand guidance directly from those who created the competition!

Who Should Attend: Students or advisors interested in the new event!

Room: Oklahoma H

Title: Cybersecurity Unlocked: Exploration into the Top Cyber Threats

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Who Should Attend: Tech enthusiasts and future cyber defenders!

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Who Should Attend: Aspiring pilots, engineers, and aviation enthusiasts!

Room: Oklahoma Ballroom J

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Who Should Attend: Forensic Science and Forensic Technology Competitors!

Room: University C

Title: Becoming a TSA Leader: Running for Office

Description: Interested in running for a TSA officer position? Join our workshop, "Becoming a TSA Leader: Running for Office," where you'll learn everything you need to know to launch a successful campaign. We'll guide you through the election process, from creating a compelling platform to mastering public speaking for your candidate speech. You'll also discover the roles and responsibilities of TSA officers, tips for effective campaigning, and how to connect with voters. Whether you're running for chapter, state, or national office, this workshop will equip you with the tools to lead with confidence!

Who Should Attend: Anyone interested in running for state, regional, or national office

Room: Boomer A

Title: One Way Ticket to Nationals – Conference Strategies

Description: Are you ready to discover the one-way ticket to national conference success? Whether you're brand new to TSA, or a master of events, understanding the journey is vital. Dive into our workshop and unlock an unforgettable, exhilarating experience.

Who Should Attend: Serious TSA competitors only!

Room: Boomer B

Title: Unlocking your Potential – Personal Development

Description: Who are YOU at your core? Join us in an exhilarating, ESCAPE-ROOM-THEMED adventure, designed to help you break free from the constraints limiting your true potential. In this workshop, you'll discover who you are at your deepest level, and understand how to refine that for SELF IMPROVEMENT. By the end, you'll know how to effectively apply this knowledge to your personal and professional journey. Team up with us to UNLOCK the secrets to personal success in this unforgettable experience!

Who Should Attend: Anyone eager to unlock their true potential!

Room: Sooner A

Title: How to: Social Media for Chapters

Description: Are you interested in gaining more awareness for you and your chapter? Our How To on Social Media for Chapters workshop will teach you how to grow and promote your chapters' social media account.

Who Should Attend: Anyone looking to improve their social media presence!

Room: Sooner B

12:00 pm – 1:30 p.m. Lunch on your own

1:45 p.m. – 2:30 p.m. Breakout Session 3

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Who Should Attend: Everyone!

Room: Oklahoma Ballroom EF

Title: TSA Advisor – Best Practices

Description: In this workshop, TSA advisors will learn best practices for successfully integrating TSA into their classrooms. Led by experienced educators and TSA leaders, this session will cover strategies for engaging students, aligning TSA activities with curriculum goals, and managing chapter logistics. You'll gain valuable insights into how to promote leadership, teamwork, and STEM skills through TSA, and leave with practical tools to enhance your students' experiences both in the classroom and in competitive events. Whether you're a new or veteran advisor, this workshop will equip you with everything you need to maximize your TSA program's impact.

Who Should Attend: TSA Advisors only!

Room: Oklahoma G

Title: New HS Robotics Event

Description: In this workshop, you'll have the opportunity to connect with expert event managers who specialize in the High School Robotics competition. These professionals will provide detailed insights and answer all your questions about the event. Whether you're seeking clarification on the rules, strategies for designing and programming your robot, or tips for preparing your team, this session is your chance to get expert advice directly from those who know the competition best!

Who Should Attend: Anyone interested in the new high school robotics event!

Room: Oklahoma H

Title: Middle School Droneworks Theme and Missions Reveal

Description: Join us for a sneak peek of the 2025 Droneworks HS competition and see the new theme and missions revealed. Droneworks combines real-world drone applications, coding, and challenging flights into an exciting drone competition. Droneworks is an Oklahoma TSA only event and more information is available at www.droneworksite.com.

Who Should Attend: Middle School TSA competitors and advisors

Room: Oklahoma Ballroom I

Title: Soaring into the Future: Exploring Aviation Careers with the FAA

Description: Join the Federal Aviation Administration (FAA) for an exciting workshop exploring the wide range of careers available in the aviation industry! Representatives from the FAA will discuss various career paths, from air traffic control to aviation safety, engineering, and more. In addition to learning about these opportunities, students will get a hands-on experience with flight simulators, allowing them to test their piloting skills and get a real feel for what it's like to work in aviation. This is a great opportunity to discover the exciting future awaiting you in aviation!

Who Should Attend: Aspiring pilots, engineers, and aviation enthusiasts!

Room: Oklahoma Ballroom J

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Who Should Attend: Aspiring innovators ready to explore new frontiers!

Room: University B

Title: Pitching In

Description: Join us in "Pitching in" where we'll dive into how to bring community service to your chapters! You'll learn practical tips for organizing impactful projects while we put together warming kits for the homeless in Night Light Tulsa. Let's roll up our sleeves and empower each other to lead with purpose. Together, we'll learn how to create positive change in our community!

Who Should Attend: Everyone!

Room: Oklahoma Ballroom

Title: Student Forum

Description: This interactive workshop gives students the chance to ask questions and gain clarity about TSA competitive events. Whether you're new to TSA or preparing for your next competition, this is the perfect opportunity to dive into event guidelines, strategies for success, and any specific questions you may have. Get expert advice and insights to help you excel in your TSA journey!

Who Should Attend: Future TSA Champions!

Room: Boomer A

Title: Event Exploration – TSA Preparation

Description: Do you enjoy competing in TSA events? Have you ever wanted to try different events but don't know what they really are? Well, this is the perfect workshop for you! We will be exposing you to different events that you may be interested in if you don't know where to start! From individual speeches to team problem solving, we will showcase it all through the amazing activities we have planned for you! Come explore with us!

Who Should Attend: Anyone interested in learning about TSA Competitive Events!

Room: Boomer B

Title: Taking TSA Into Your Community

Description: What's the best part of TSA? The community of course! Get ready to embark on a journey with your State & Region Officers to foster meaningful connections, learn about service opportunities, and find new ways to expand our TSA family. Get ready for an engaging workshop where learning, laughter, and lasting bonds await!

Who Should Attend: All TSA members, of course!

Room: Sooner A

Title: Mastering the TSA Interview

Description: This workshop is designed specifically to help you excel in the TSA interview. You'll gain insights into what TSA judges are looking for, practice answering common questions, and learn how to effectively highlight your TSA experiences and leadership skills. This workshop will provide you with key strategies to boost your confidence, present your best self, and impress the judges with a polished and professional interview performance.

Who Should Attend: Anyone moving on to the semifinal round! Hopefully that's you!

Room: Sooner B

2:40 pm – 3:00 pm Closing Session