



T⁴ Tools Trades Torque Tech

**TOMORROW'S
INNOVATIVE
WORKFORCE IS IN
OUR SCHOOLS TODAY!**



ROUGH RIDER CENTER & WATFORD CITY HIGH SCHOOL AUDITORIUM

2209 Wolves Den Parkway, Watford City, ND

APRIL 13, 2022 ~ GRADES 6-8

APRIL 14, 2022 ~ GRADES 9-12

T4 introduces students to workforce skills, needs, training and networking opportunities with industry leaders and technicians!

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Sponsors:



NORTH DAKOTA
**PETROLEUM
FOUNDATION**



Lignite
Energy Council



WHAT IS T4?

www.T4NDSummit.org

T4 introduces students to workforce skills, needs, training and networking opportunities with industry leaders and technicians! How do we expect young people to dream if they don't know what they can dream about? T4 Tools Trades Torque Tech is the premier way for tomorrow's workforce to get an up-close look at the inner workings of industry.

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McKenzie County School District #1

Empower every student to succeed today and into the future

BAKKEN AREA SKILLS CENTER

Mission: Increase career and technical education and training opportunities for high school students and incumbent workers throughout the Bakken region.

Vision: Provide in-demand training opportunities that are responsive to the needs of our region's workforce through collaborative partnerships with secondary education, post-secondary education/training, and local employers.



The Bakken Area Skills Center (BASC) was designed to facilitate a new organizational framework for the Great Northwest Area Career & Technical Center (GNWACTC) and the Great Northwest Education Cooperative (Virtual CTE center and REA) and to provide hands-on and in-person CTE learning experiences to our region, which was only providing virtual experiences through ITV. The vision of the BASC is to connect workforce and post-secondary with K-12 to improve career readiness and to address unique workforce needs in our region. The BASC will embrace efforts at the state level to promote learning without borders and opportunities to align workforce and K-12 to embrace competency based education and alignment of skill sets for the current and ever-changing workforce needs in our region. The BASC emphasizes a value and importance on Career and Technical education for our students and future workforce needs of our region and state and to increase opportunities for certifications and post-secondary through TrainND, WSC, and other partners in our community and the region in general.

For more information on the Bakken Area Skills Center, please contact:
Dr. Steve Holen, Superintendent of Schools, McKenzie County Public School District #1. 701-444-3626

McKENZIE COUNTY SKILLS INITIATIVE PETROLEUM INDUSTRY ADVISORY GROUP

Dr. Daniel Stenberg
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Shannon Faller
Alexander High School

Jim Hughs & Rachel Logan
ConocoPhillips

Kim Murphy
Great Northwest Education
Cooperative

Erin Bieker
Halliburton

Julie Vetter
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Darius Frick
Industry Representative

Joel Brown
McKenzie County Economic
Development

Dale Patten
McKenzie County Job
Development Authority

**Aaron Erickson & Jared
Iverson**
OASIS Petroleum

**Anselmo Hernandez, Heather
VanGelder & Kristopher
Johnsrud**
ONEOK

Rex Korslien
OASIS Petroleum

**Michael Raber, Rachael K.
Brash & Robert P. Nelson**
University of Mary

**Justin Johnsrud, Rachel
Meuchel & Scott Wisness**
Watford City High School

Dr. Steve Holen
Watford City School District

Justin Soleim
Whiting Oil

Bernell Hirning
Williston State College

Keith Olson
Williston State College (SBDC)

Kenley Nebeker
Williston State College (Train
ND)

Jimmy Costalez
XTO Energy

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SCHEDULE FOR THE DAY

APRIL 13, 2022 ~ GRADES 6-8

APRIL 14, 2022 ~ GRADES 9-12

(Schedule will be the same for both days, all times CST)

Watford City High School Auditorium

8:30 a.m. – 2:00 p.m. *(Please follow the schedule provided to you by your advisor!)*

8:30 a.m. – 9:10 a.m.	Pre-Opening Arrival
9:10 a.m. – 9:50 a.m.	<p>Opening General Session Master of Ceremonies: Macee Franz, Watford City High School Senior</p> <p>Welcoming Remarks: Dr. Steve Holen, Superintendent – McKenzie County School District and Board of Directors – North Dakota Career and Technical Education</p> <p>What is T4? Why am I Here? Kent Ellis – T4 Director</p> <p>General Session Presentation: Cybersecurity: What Does it Take? Scott Leier & Travis Dolan</p> <p>Let's Begin Our Day! Jim Green, Watford City Public Schools, High School Principal</p>
10:00 a.m. – 10:40 a.m.	All Students Attend Session 1 (Follow your advisor!)
10:50 a.m. – 11:30 a.m.	All Students Attend Session 2 (Follow your advisor!)
11:30 a.m. – 12:15 p.m.	Lunch! Enjoy your lunch in the Rough Rider Center (Follow your advisor and PLEASE pick up after yourselves!)
12:30 p.m. – 1:10 p.m.	All Students Attend Session 3 (Follow your advisor!)
1:20 p.m. – 2:00 p.m.	All Students Attend Session 3 (Follow your advisor!)
2:00 p.m.	Depart – Thank; for attending! Safe Travels!



Master of Ceremonies – Macee Franz

Macee Franz is a senior at Watford City High School. She has lived in Watford City her entire life. She loves being involved in the school and community. She is involved in many different activities, including Student Council, the Ambassador Program, and SADD. She takes pride in her school and community, and will take on any opportunity she can to benefit them.

General Session Presentation: Cybersecurity: What Does it Take? Facilitators: Scott Leier & Travis Dolan

Scott Leier is a full-time Cyber Security Network Manager for the North Dakota Army National Guard. Scott has been a member of the NDARNG for 22 Years with the last 8 years being in Information Technology. He currently holds GIAC Security Leadership, Certified Ethical Hacker, and Security + certifications. Has a wife and 2 kids, but still finds time to play video games in the evenings.

Travis Dolan is a full-time IT Cybersecurity Specialist for the North Dakota Army National Guard. Travis has been a member of NDARNG for 10 Years with the last 5 years being in Information Technology. He currently holds the Certified Ethical Hacker and Security + certifications along with an AAS in Cybersecurity from BSC. Recently married, he enjoys playing video games in his free time.





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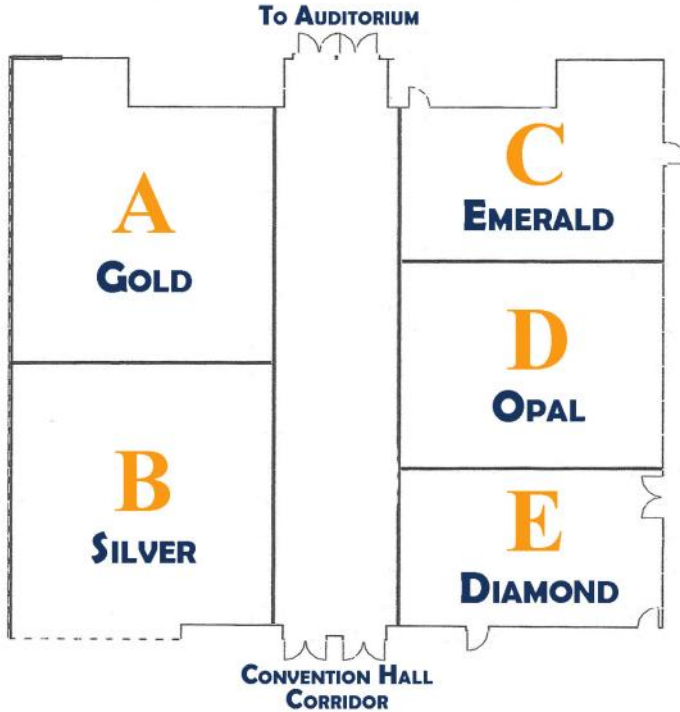
MAPS & SESSIONS

SESSION LEGEND (SESSIONS LISTED ON PAGE 6):

A-E: CONVENTION HALL

F-Q: ARENA

CONVENTION HALL



ARENA

K T4 HEADQUARTERS FACILITATOR/VOLUNTEER/ STUDENT CENTER	Q
J	P
I	O
H	N
G	M
F	L

ENJOY YOUR DAY!

Remember!

The Magic Words for the day: PLEASE AND THANK YOU!

Remember to thank your session facilitators, advisors, chaperones, and other volunteers that help you throughout the day!

Take good care of your possessions! T4, Rough Rider Center and Watford City Public Schools CANNOT be held responsible for lost or stolen items.

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MAPS & SESSIONS

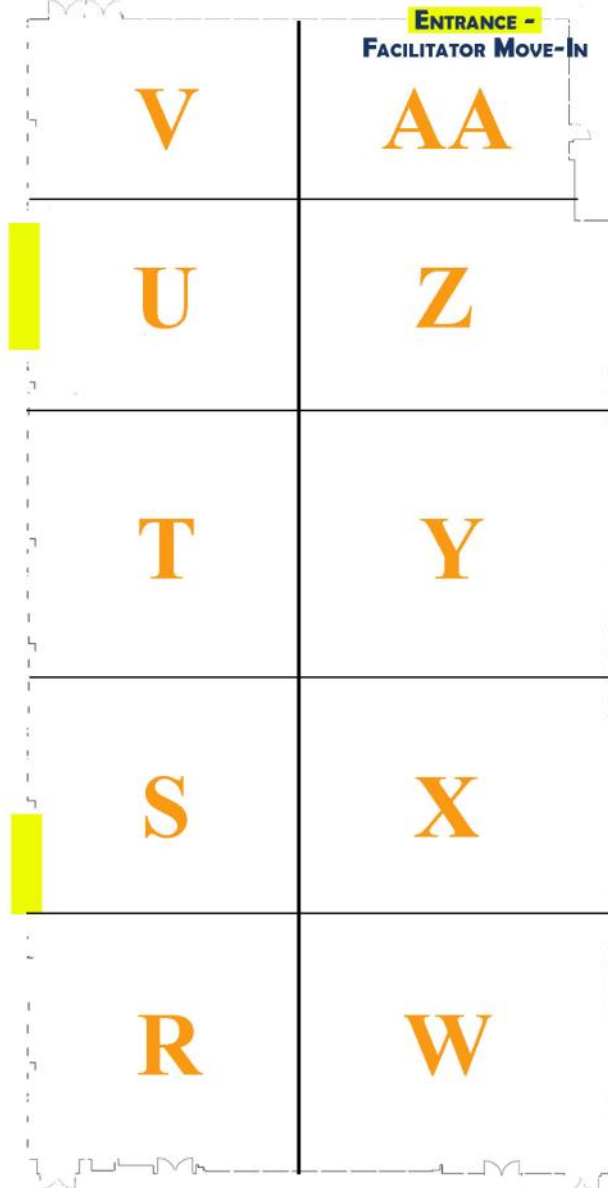
SESSION LEGEND (SESSIONS LISTED ON PAGE 6):

R-AA: FIELD HOUSE

BB & CC - WATFORD CITY AIRPORT (SEE DETAILS BELOW)

DD - WATFORD CITY HIGH SCHOOL AUDITORIUM

FIELD HOUSE MAP



ENJOY YOUR DAY!

LUNCH:

Please stay with your advisor during lunch and clean up after yourself!

QUIET PLEASE!

Do not visit in the common area while students are in session!

CELL PHONES:

Cell phones must be turned OFF when entering a session, and during the opening General Session. (This also means NO TEXTING please!)

NEED HELP OR HAVE AN EMERGENCY?

Contact your advisor, teacher, or chaperone!

BB & CC

THESE CLASSES ARE AT THE WATFORD CITY AIRPORT. YOU WILL LOAD THE BUS AT THE MAIN ENTRANCE AT THE ROUGH RIDER CENTER!
PLEASE STAY WITH YOUR CHAPERONE!!

DD

IN WATFORD CITY HIGH SCHOOL AUDITORIUM

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T4 SESSION LIST

<p>Session A: Wizard Electronics Facilitator: Joel Gustafson Bismarck Public Schools www.bismarckschools.org</p>	<p>Session L: The World of Construction Management Facilitator: Shari Elgin Construction Engineers Inc. www.constructionengineers.com</p>	<p>Session V: Pipeline Operations and Construction Facilitator: Annette Sluder MPLX http://www.mplx.com</p>
<p>Session B: Cracking the Code Facilitators: Tyler Ward, Jason Mattheis NDIIT - Edu Tech www.edutech.nodak.edu</p>	<p>Session M: Agronomy, Farm & Ranch Facilitators: Marka Davinic, Charlotte Heim Bismarck State College www.bismarckstate.edu</p>	<p>Session W: Electrical Lineworker - Tools of the Trade Facilitator: Andrew Spratta McKenzie Electric Cooperative, Inc. www.mckenzieelectric.com</p>
<p>Session C: Choices in Safety Facilitator: Harlan Olson Workforce Safety and Insurance www.workforcesafety.com</p>	<p>Session N: Electronics and Telecommunications Facilitator: Mike Holman Bismarck State College www.bismarckstate.edu</p>	<p>Session X: How Pipelines Work Facilitators: Wendy Pank, Scott Dieterle Enbridge - Alliance www.enbridge.com</p>
<p>Session D: New Career Opportunities Facilitators: Lance Hill, Cindy Sanford Bank of North Dakota www.bnd.nd.gov</p>	<p>Session O: Instrumentation & Control Facilitator: Vance Vesey Bismarck State College www.bismarckstate.edu</p>	<p>Session Y: Dream It Do It! Facilitator: Eric Kittelson Southwest ND Manufacturer's Group www.facebook.com/DreamItDoItSWND</p>
<p>Session E: Career View XR: Bringing Job Sites into the Classroom with VR Facilitator: Matthew Chaussee Be More Colorful https://www.careerviewxr.com</p>	<p>Session P: Auto Tech Carpentry Facilitator: Lee Friese Bismarck State College www.bismarckstate.edu</p>	<p>Session Z: Energy Services Today! Facilitators: Charles Steffan, Tom Meyerhoeffer ND Energy Services www.ndesjobs.com</p>
<p>Session F: How to Build a Road Facilitators: Molly Barnes, Justine Baker, Mackenzie Gable, David Fox, Trent Tidaback Northern Improvement Company https://www.northernimprovement.com/</p>	<p>Session Q: How Drones are Used in Today's World Facilitators: Adam Overvold, Jakee A. Stoltz Insight Drone Services/Northern Plains UAS www.insightdrones.com</p>	<p>Session AA: Learn to Weld Facilitators: Mike Morris, Jessica Wills Lynnes Welding Training www.learntoweld.com</p>
<p>Session G: Operating Engineer - How to Run Heavy Equipment Facilitator: Cole Uecker Local 49 www.local49.org</p>	<p>Session R: Diagnosing and Troubleshooting Electrical and Hydraulic Systems Facilitators: Dan Stadick, Troy Hoff, Don Faul Gooseneck Implement Co. www.gooseneckimp.com</p>	<p>Session BB: Aviation – Flight Facilitators: Thomas Sando, Luke Taylor, Kent Taylor, Jeremy Renken, Tanner Overland, Suzanne Blessum Williston Basin School District Watford City Aero Services Badlands Flying Club Overland Aviation, Minot Aero Center https://www.willistonschools.org</p>
<p>Session H: HVAC Industry in ND Facilitators: Nick Murphy, Keith Tucker Sheet Metal Workers Local #10 www.smw10.org</p>	<p>Session S: Oilfield Automation 101 Facilitators: Rachel Logan, Kyle Small, Anthony Rodriques-Martinez, Carl Stroh, Shaun Christison ConocoPhillips www.conocophillips.com</p>	<p>Session CC: Aviation Maintenance Facilitators: Thomas Sando, Luke Taylor, Kent Taylor, Jeremy Renken, Tanner Overland, Suzanne Blessum Williston Basin School District Watford City Aero Services Badlands Flying Club Overland Aviation, Minot Aero Center https://www.willistonschools.org</p>
<p>Session I: Electrical Construction Careers Facilitators: Bob Wolf, Tony Webb IBEW Local 714 www.Local714.com</p>	<p>Session T: Drones in the Bakken Facilitators: Rachel Logan, Matt Hargrave, Brett Christensen ConocoPhillips www.conocophillips.com</p>	<p>Session DD: Robotics in School & Beyond Facilitators: Alexandria Rizzo & Alexander Public School Students Alexander Public Schools www.alexanderschoolnd.us</p>
<p>Session J: The World of Diesel Technology Facilitators: Ann Pollert, Meghan Fitzgerald General Equipment & Supplies www.genequip.com</p>	<p>Session U: Connecting You to the World Facilitator: Shannon Staflien RTC Networks www.myRTCNetworks.com</p>	
<p>Session K: T4 Headquarters, Volunteer/Facilitator/Student Center Staff and Volunteers www.t4ndsummit.org</p>		



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T4 THANK YOU'S



**NORTH DAKOTA
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**Lignite
Energy Council**

The North Dakota Petroleum Foundation's mission is to provide and support education and outreach opportunities related to the petroleum industry, develop and advance quality of life initiatives, and promote and enhance the conservation heritage of North Dakota.

The Foundation, a 501(c)(3) nonprofit, was founded by the North Dakota Petroleum Council in 2018 to support our state and the communities in which we operate. Through outreach programs, scholarships and education opportunities, and environmental stewardship programs, we strive to help our neighbors make our communities better places to live, work, and raise a family.

The oil and natural gas industry is an economic powerhouse for the state, contributing more than \$40.2 billion to North Dakota's economy and supporting 1 in 5 North Dakota jobs. The industry also paid more than \$3.8 billion in taxes—or 50 percent of all state tax revenues—collected by the state in 2020. These tax revenues are directed toward funds used to fund specific priorities including schools, roads and infrastructure, the North Dakota Legacy Fund, property tax relief, wildlife and natural resources, and more.

The Lignite Energy Council is a regional trade association representing all lignite energy producers, utilities and businesses in the Upper Midwest that provide electricity, synthetic natural gas, fertilizers and other goods and services, and who account for \$5.7 billion in gross business volume per year.

Approximately 2 million customers are served by lignite industry with affordable and reliable power from North Dakota's seven lignite-based power plants.

North Dakota is also one of only 14 clean air states, thanks in part to \$2 billion invested in environmental stewardship technologies.

Also, more than 22,000 acres of mined land have been reclaimed and bond released in North Dakota, producing as good or better than prior to mining.



Watford City Planning Committee

- Watford City Public Schools
 - Dr. Steve Holen, Superintendent
 - Dr. Noelle Green, Middle School Principal
 - Jim Green, High School Principal
 - IT Department
 - Faculty and Volunteers
- City of Watford City
- Rough Rider Center, Asha Kirkland & Staff
- McKenzie County Economic Development, Daniel Stenberg

T4 Guests

- Collaborating Partners
- Session Sponsors and Facilitators
- Participating Schools Administration, Students, Advisors, Chaperones, Parents, Families and Friends of our Students
- Bus Drivers
- Community Leaders
- Volunteers

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COLLABORATING PARTNERS:



MCKENZIE COUNTY
★ ECONOMIC DEVELOPMENT ★



MCKENZIE COUNTY
SKILLS INITIATIVE



SESSION PARTNERS:



ISIGHT DRONE SERVICES



NORTHERN PLAINS
UAS TEST SITE

