



T⁴ Tools Trades Torque Tech

TOMORROW'S INNOVATIVE WORKFORCE IS IN OUR SCHOOLS TODAY!



HILLSBORO HIGH SCHOOL

MAY 4, 2022 ~ GRADES 11-12



RED RIVER VALLEY

education cooperative

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

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Organizing
Sponsors:



NORTH DAKOTA
**PETROLEUM
FOUNDATION**



Lignite
Energy Council



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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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Hillsboro *North Dakota*

..... EXPERIENCE HILLSBORO. SMALL TOWN. BIG OPPORTUNITY.

THE CITY OF HILLSBORO WELCOMES YOU!

Hillsboro is a growing community with a small town feel, in eastern North Dakota with a population of 1,624. It is located between Fargo and Grand Forks on US Interstate 29 at exit #104.

Local Agriculture is the primary business sector in this area, with ongoing expansions into healthcare, technology, and future entrepreneurial endeavors. Residents can enjoy numerous health and wellness activities - an outdoor pool, golf course, city park and fitness center. Sanford Medical Center provides a local full-service clinic to urgent care, along with assisted living/nursing home capabilities.

Riverwalk Development is the new master plan community that will be located on the west side of Interstate 29. With plans for walking trails and parks, this new neighborhood will encourage an active and healthy lifestyle that will include residential and commercial building opportunities.

Hillsboro History: Hillsboro was originally founded in 1880 under the name of Comstock, and was renamed after the railroad baron James J. Hill and remains the county seat, where you will find the County Court House and Sheriff's Department. Hillsboro is also known for having the oldest weekly newspaper in the state, the Hillsboro Banner, which commenced in February, 1880.

Things to see and do in Hillsboro include visiting our Pioneer Museum, Plummer House - built in 1897 and completely restored, Woodland Park and visiting the businesses in our downtown corridor.

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HILLSBORO T4 SCHEDULE FOR THE DAY

MAY 4, 2022 ~ GRADES 11-12

Hillsboro High School & Hillsboro Event Center

9:00 a.m. – 2:00 p.m. *(Please follow the schedule provided to you by your advisor!)*

9:00 a.m. – 9:10 a.m.	Pre-Opening/General Session Arrival Location: Hillsboro High School Gymnasium
9:10 a.m. – 9:50 a.m.	Opening/General Session Master of Ceremonies: Jora Leeseberg, Junior, Hillsboro High School Welcoming Remarks: Paula Suda, Superintendent Hillsboro Public Schools General Session Speaker Jim Murphy, Executive Director Traill County Economic Development Commission What is T4? Why am I Here? Let's Begin Our Day! Kent Ellis – T4 Director
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 Hillsboro High School Gymnasium (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 4 (Follow your advisor!)
2:00 p.m.	Depart – Thanks for attending! Safe Travels!



Master of Ceremonies – Jora Leeseberg

Jora Leeseberg is a junior at Hillsboro High School. She is very active in school, participating in speech, drama, softball, academic team, Science Olympiad and music. Jora also has a very special interest in art.

General Session Guest Speaker – Jim Murphy

Jim Murphy oversees the operations of the Traill County Economic Development Commission. Jim started with Traill County EDC in August of 2018 and is involved with the organizations that assist and grow the interests of the county including Traill United Group, MayPort EDC, Hillsboro EDC, Hatton EDC and Economic Development of North Dakota. Jim is a graduate of North Dakota State University and Larimore (N.D.) High School. His background includes sales, marketing and communications and he worked for Lee Enterprises Inc. for 27 years prior to this position. Jim is active in Hillsboro Kiwanis Club, Hillsboro Dollars for Scholars and St. Rose Catholic Church. He lives in Cummings, N.D., with his wife, Denise.





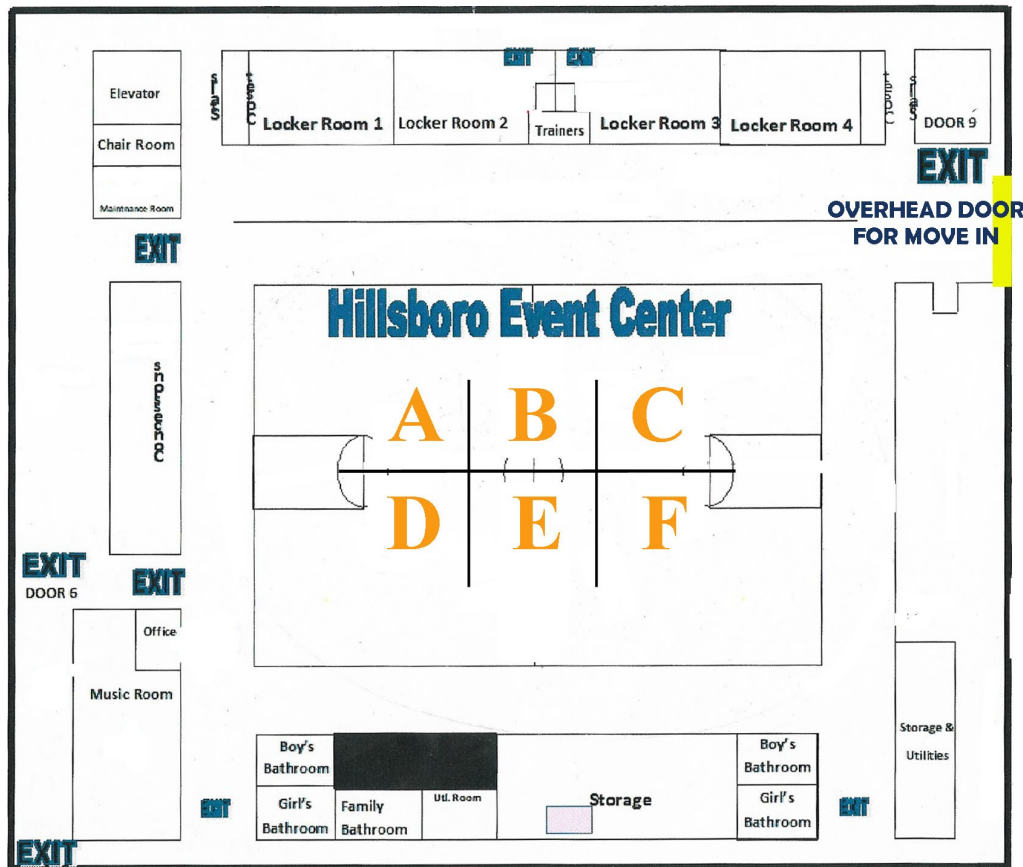
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MAPS & SESSIONS

SESSION LEGEND (SESSIONS LISTED ON PAGE 6):

A-F: HILLSBORO EVENT CENTER

HILLSBORO EVENT CENTER



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, Hillsboro Event Center, and Hillsboro Public Schools CANNOT be held responsible for lost or stolen items.

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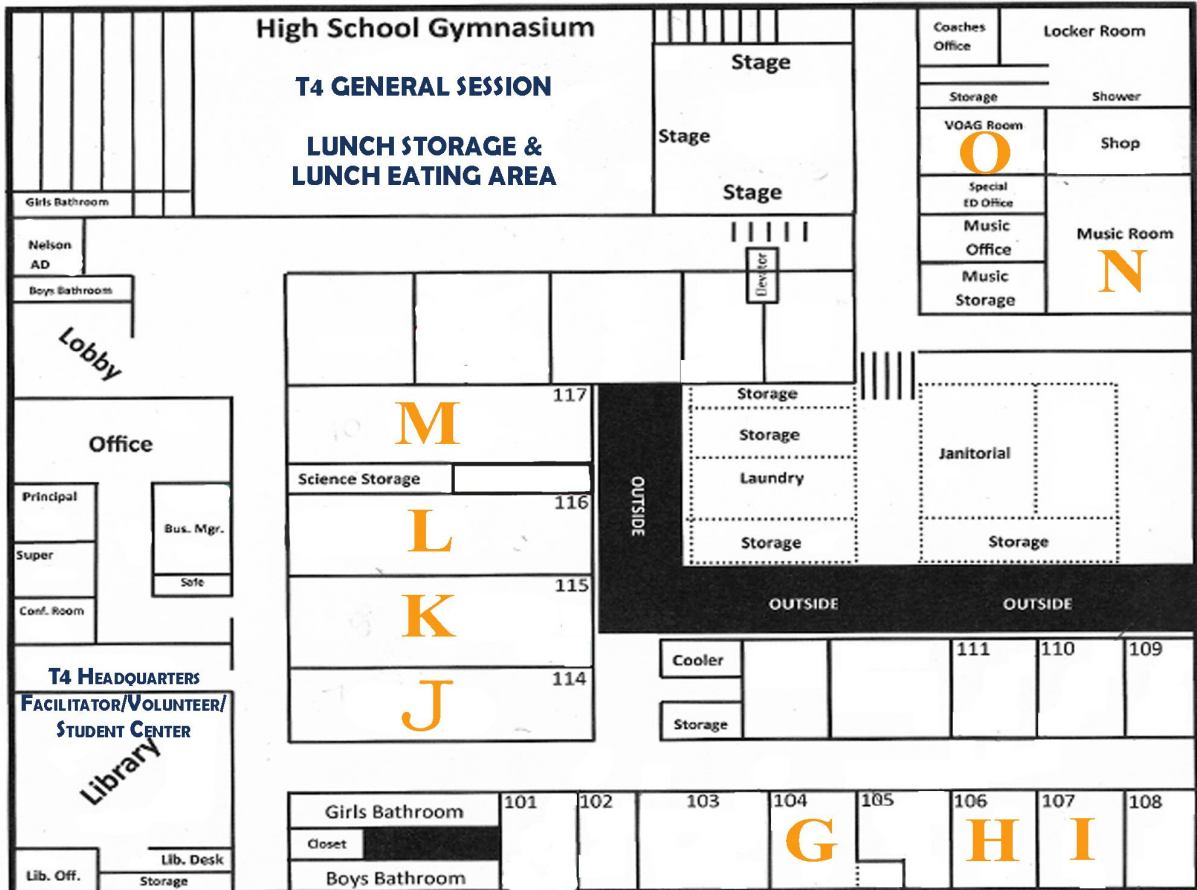
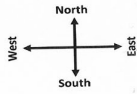


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MAPS & SESSIONS

SESSION LEGEND (SESSIONS LISTED ON PAGE 6):
G-O: HILLSBORO HIGH SCHOOL

HILLSBORO HIGH SCHOOL 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!

Organizing Sponsors:



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T4 HILLSBORO SESSION LIST

SESSIONS A-F AT HILLSBORO EVENT CENTER

SESSIONS G-O AT HILLSBORO PUBLIC SCHOOL

Session A:

The World of Plumbing and Heating

Facilitators: Phil Kraemer, Carl Schempp,
Melissa Duckstad
Lunseth Plumbing and Heating Co., Grand Forks, ND
www.lunseth.com

Session B:

Simulation Technology

Facilitator: Richard Drury
Lake Region State College, Devils Lake, ND
<https://www.lrsc.edu/adademics/programs/cte-programs.simulation-tecnology>

Session C:

Find the Fault – Test your Electrical Knowledge and TNE Metaverse

Facilitators: Kevin Phelps, Luke Aippersbach,
Josh Anderson, Corbyn Hahn
True North Equipment Grand Forks ND
<https://www.truenorthequipment.com/>

Session D:

True North Metaverse and Seed Prep for Harvest

Facilitators: Kevin Phelps, Zach Olson, Cedric
Citrowske, Nicole Smestad
True North Equipment - Grand Forks, ND
<https://www.truenorthequipment.com/>

Session E:

The World of Construction Management

Facilitator: Shari Elgin
Construction Engineers, Inc., Grand Forks, ND
www.constructionengineers.com

Session F:

Heavy Equipment, Transportation, Welding, Air Traffic Control

Facilitators: Elijah Rude, Cameron Shaw
North Dakota Army National Guard
R & R. Fargo, ND
www.NDARMYGUARD.com

Session G: Room 104

The World of Diesel Technology

Facilitators: Ann Pollert, Meghan Fitzgerald
General Equipment & Supplies, Inc., Fargo, ND
www.genequip.com

Session H: Room 106

Career View XR: Bringing Job Sites into the Classroom with VR

Facilitator: Matthew Chaussee
Be More Colorful
<https://www.careerviewxr.com>

Session I: Room 107

Engineer Apparatus Test

Facilitator: Jason Knudson
Butler Machinery Company - Fargo, ND
<https://butlermachinery.com/>

Session J: Room 114

Pipeline "Launch a PIG"

Facilitator: Wendy Pank
Enbridge - Minot, ND
www.enbridge.com

Session K: Room 115

Opportunities in the Energy Industry

Facilitators: Erin Thomas, Mike Chamberlain, Darin
Unterseher - Bismarck State College - Bismarck, ND
American Crystal Sugar: Ben Doyle, Kyle Kidder
www.bismarckstate.edu
<https://www.crystalsugar.com/>

Session L: Room 116

Electrical Construction

Facilitators: Steve Welsch, Erick Brekke
International Brotherhood of Electrical Workers
Grand Forks ND
www.ibew1426.org

Session M: Room 117

Virtual Welding

Facilitators: Brandon Markey, Sara Whiting, Chad
Erickson, Joey Krussow
Lynnes Welding Training - Fargo, ND
www.learn toweld.com

Session N: Music Room

The World of Aviation

Facilitators: Lynn McClynn and Students
Northland Aerospace - Thief River Falls, MN
www.northlandcollege.edu

Session O: Vo Ag Room

Agronomy, Soil and Crop Testing

Facilitator: Marko Davinic
Bismarck State College
www.bismarckstate.edu

LIBRARY

T4 Headquarters, Volunteer/Facilitator/ Student Center

Staff and Volunteers
www.t4ndsummit.org

HIGH SCHOOL GYMNASIUM

OPENING GENERAL SESSION

LUNCH STORAGE & EATING AREA



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T4 THANK YOU's



**NORTH DAKOTA
PETROLEUM
COUNCIL**



**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.



Hillsboro Planning Committee

- Hillsboro Public Schools
Paula Suda, Superintendent
Terry Baesler, High School Principal
David Schill
Jora Leeseberg
IT Department
Faculty and Volunteers
- City of Hillsboro
- Hillsboro Event Center
- Traill County Economic Development
- Degelman Industries USA Ltd
- Michael Hanson
- Grafton High School/North Valley Career & Technology Center
- Janet O'Hara
- Red River Valley Education Cooperative

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

SPONSORS & PARTNERS

SPONSORS:



COLLABORATING PARTNERS:



SESSION PARTNERS:

