

**House Appropriations
Education and Environment
SB2019**

March 11, 2021

Chairman Monson and members of the committee, for the record, my name is Wayde Sick, State Director for the Department of Career and Technical Education. I am here to provide testimony for SB2019 or the Department of Career and Technical Education appropriations bill.

My testimony today will include responses to questions the Appropriations Committee had during the March 5, 2021 Hearing. I also have several individuals in the room or connected virtually to fill in any details.

The Committee expressed an interest in the proposed James Valley Aviation Program. Unfortunately, a representative from Jamestown is unable to join us, so I will discuss the project on their behalf. As I mentioned at our initial committee hearing, this is an application that has been submitted for consideration. The request is earlier than normal, as the intent is to use ESSER funds to support the purchase of start-up equipment. To do so, it needs to be an approved program by the Department of Career and Technical Education.

James Valley Area Career and Technical Center has applied to the State Board for Career and Technical Education to develop an aviation program. The plan is to purchase a full motion, fully enclosed simulator, desktop simulators and three screen simulators. The simulators will be housed in existing space in the Center, which was not being used for instructional space.

Programs like this is the reason why the New and Expanding funds in SB2019 are important. The ESSER funds could help get the program started, but the Department supports the long-term operations of the programs. These types of programs are supported by the Department of Career and Technical Education annually through a reimbursement of a portion of their operating dollars, such as staffing. Applications for new programs like this are submitted to us for consideration every year. The Department requires programs to meet standards such as qualified instructor, sufficient equipment and space, leadership opportunities, such as a Career and Technical Student Organization. The programs are offered at both our high schools and our area career and technology centers and can be offered virtually, face-to-face and hybrid. As I mentioned last week, programs must meet a workforce need to be approved. This is determined by using labor market information and local industry input.

New Program Requests

I have attached a document, listing the new and expanding requests we are currently aware of. These have either been collected through direct inquiries to the agency or programs that were identified in the Comprehensive Local Needs Assessment process. These proposed programs will need to go through the application process, will need to secure equipment and an instructor to come to fruition. There also may be programs we are still unaware of.

It was requested if the Department of Public Instruction can provide ESSER funds directly to the Department of Career and Technical Education.

I visited with Superintendent Baesler and was informed that if there is a specific program set up that addresses a need “caused by” or “is in response to” a COVID-19 related impact, that program could be considered as a possible use of discretionary funding.

As requested, I have included an updated slide, that includes the 2019-21 biennium budget, with the 2021-23 requested budget, the Executive Budget and the Senate Approved Budget. We can discuss this if there are additional questions.

Next you asked about access to dual credit and Career and Technical Education courses for homeschooled and private school students.

Centers and community colleges alike provide many online and dual credit courses and to all students. Any public, private, or homeschool student can take a dual credit class. What is commonly seen is most homeschooled students focus on general education classes, but there are still homeschooled students who enroll in dual credit CTE classes.

Homeschooled and private school students can also enroll in CTE courses through Area Career and Technical Centers. The courses are typically paid by the home school they are associated with for homeschooled students and by the schools for private school students.

Now I would like to discuss the funding for the STEM Network.

In the 2015 Legislative Session, \$100,000 was appropriated to the Department of Career and Technical Education, for the purpose of providing a science, technology, engineering, and mathematics advancement initiative. This was done with HB 1393 of the Sixty-fourth Legislative Assembly. This funding and the STEM Network were managed by the Department of Career and Technical Education, as the agency waited for the STEM Network to become a 501 c3. This funding has been retained in the Agency’s base budget ever since. Now that the STEM Network has successfully

attained 501 c3 status, the Department would like to set this funding up as a separate line item. This would serve as a grant, not as an operating expense.

The intent is to grant the dollars to the North Dakota STEM Ecosystem. The Ecosystem's mission is as follows:

Mission Statement: Advance all students as problem solvers and lifelong learners through STEM

The North Dakota STEM Ecosystem is guided by the following Design Principles:

1. The ND STEM Ecosystem will be the statewide resource to improve STEM access for all North Dakotans.
2. The ND STEM Ecosystem will engage industry, community, and education systems to address workforce challenges and STEM literacy.
3. The ND STEM Ecosystem promotes a lifelong learning environment to develop employability and life skills and connect passion with opportunity.
4. The ND STEM Ecosystem will be accountable by addressing the STEM education needs of North Dakota and disseminating results through NDSTEM.org website and social media outlets on a regular basis

In addition to the STEM Days for Students Grants, the Ecosystem has provided:

1. Speaker for the statewide NDCEL Conference - Executive Director – Iowa Governor's STEM Advisory Council
2. Sponsorship for IgniteND – Innovation Education Week

Recently the ND STEM Ecosystem entered into a partnership with the Praxis Strategy Group for the purpose of developing a statewide STEM Asset Map. The map will identify and map assets in the following areas:

1. K-12 schools
2. Industry
3. Higher education
4. Public sector
5. Non-governmental organizations, the civic sector and professional organizations

This project will be completed by the end of the fiscal year.

Attached in your packet is a report showing the various STEM Day events that were funded through this program.

As it is currently an operating expense, any unused funds have been and will be turned back to the General Fund. This will continue, even if it is a grant, as the Department of Career and Technical Education reimburses expenses. It does not provide funds up front. If the STEM Network has left over funds at the end of the biennium, they would be returned to the General Fund.

TrainND Allocation amounts

Below are the 2019-2021 biennium allocations for the four TrainND Regions and process of how it is calculated. This is done through the covered employment of the regions, a model that was developed when TrainND was created.

NUMBER OF EMPLOYERS & EMPLOYMENT BY TRAINING REGION						
Quadrant		Number of Employers		Covered Employment		
		Total	Percent	Number	Percent	
1	Northwest	7,384	22.244%	84,770	20.428%	
2	Northeast	4,889	14.728%	64,547	15.555%	
3	Southeast	12,021	36.212%	159,963	38.548%	
4	Southwest	8,902	26.816%	105,688	25.469%	
Totals		33,196	100.0%	414,968	100.0%	
INA's *		873		2,610		
Grand Totals		34,069		417,578		

Allocation - 2,000,000							
1,000,000				1,000,000			Biennium
Year 1				Year 2			Total
2019-21	Base	Demand	Total Allocation	Base	Demand	Total Allocation	
20.428%	125,000	79,280	204,280	125,000	79,280	204,280	408,560
15.555%	125,000	30,550	155,550	125,000	30,550	155,550	311,100
38.548%	125,000	260,480	385,480	125,000	260,480	385,480	770,960
25.469%	125,000	129,690	254,690	125,000	129,690	254,690	509,380
							2,000,000

Sara Vollmer, with TrainND SW is in attendance to answer any questions specific to TrainND.

Farm Management Education Program

Primarily, the questions that arose concerning the Farm Management Education Program concerned the years the producers were in the program. In your packet that was handed out last week, there are results of a survey that asked, not only overall satisfaction of the program, but also years in the program and age of the producer.

Looking at the data from the 2019-20 year, the enrollment breakdown is as follows:

Years in Program	0-3 years	4-6 years	7-9 years	10+ years	Total
Enrollment	169	81	63	355	668

Craig Kleven, Agriculture Education Supervisor, who focuses on Post-Secondary and Farm Management Education, is here to address any additional questions concerning the Farm Management Program.

New Career and Technology Center Funding

There was some discussion concerning funding to expand CTE Centers. I believe you heard from many of them during the House Appropriations hearing on HB1431, but I ask that communities could present to the subcommittee, if you see it beneficial. I believe there may be a few them connected virtually. The Department of Career and Technical Education supports the expansion of all Career and Technical Education programs and sees a place in the state for additional Career and Technology Centers. Additional centers, strategically placed in various parts of the state, can supplement what member high schools are offering in CTE, bring in workforce training and post-secondary offerings and potentially serve populations with barriers to employment, such as English Language Learners, Adult Education, etc.

This concludes my prepared testimony and will stand for questions or pass the podium on.

Program Needs Per CLNA

Beach	Information Technology	\$4,383.72
Bottineau	Health Sciences	\$26,436.06
	T & I - Electronics	\$16,517.00
Center	Family & Consumer Sciences	\$9,477.12
Dickinson	Information Technology	\$4,383.72
	T & I - Diesel Technology	\$12,465.25
	T & I - Maintenance Technology	\$15,506.00
	T & I - Welding	\$14,782.44
Edgeley	Information Technology	\$4,383.72
Finley	Family & Consumer Sciences	\$9,477.12
Hope	Agriculture	\$18,229.44
Mandan	Information Technology	\$4,383.72
McClusky	Family & Consumer Sciences	\$9,477.12
Minto	Marketing	\$13,421.16
New Rockford	Health Sciences	\$26,436.06
Northwood	Health Sciences	\$26,436.06
Williston	T & I - Petroleum	<u>\$12,465.25</u>
		\$228,660.96

Program Needs Per Emails

Fort Yates	Building Trades	\$12,465.25
Grenora	Family & Consumer Sciences	\$9,477.12
JVACTC	Aviation	\$31,315.00
Wahpeton	Welding	\$14,782.44
SRCTC	Agriculture	\$67,068.40
	Family & Consumer Sciences	\$9,477.12
	Family & Consumer Sciences OCC	\$27,873.46
	Welding	\$34,960.00
Mandaree	Automotive Technology	\$25,204.40
	Agriculture	\$18,229.44
	Information Technology	\$4,383.72
	Facilities Management	\$15,506.00
	Culinary Arts	\$5,437.60
	Family & Consumer Sciences	\$9,477.12
	Welding	\$14,782.44
	Business	\$3,562.13
Washburn	Marketing	\$9,063.44
Wishek	Business	<u>\$3,562.13</u>
		\$316,627.21
		\$545,288.17

Agency vs. Executive vs. Senate Budget

Budget Line Items	Agency Base	Agency Request	Executive Budget	Senate Budget
Salaries	\$4,812,765	\$4,539,287	\$4,686,234	\$4,654,641
Operating Expenses	\$2,357,796	\$2,195,589	\$2,367,766	\$2,198,453
Grants - Secondary	\$24,587,780	\$72,687,780	\$25,687,780	27,187,780
Grants – Postsecondary	\$256,982	0.00	0.00	0.00
Grants	\$9,207,349	\$9,507,349	\$54,507,349	\$54,507,349
ND Farm Mgmt Education	\$1,894,249	\$1,756,138	\$1,756,138	\$1,756,138
Workforce Training	\$2,000,000	\$1,900,000	\$1,900,000	\$1,900,000
Marketplace for Kids	\$300,000	\$250,000	\$250,000	\$250,000
Center for Distance Education	\$9,351,188	\$9,750,000	\$8,842,998	\$9,464,653
Total Funds	\$54,768,109	\$102,586,143	\$99,998,265	\$101,919,014
General Funds	\$40,064,988	\$47,568,716	\$39,978,448	\$41,899,197
Federal Funds	\$11,498,147	\$11,812,453	\$11,814,843	\$11,814,843
Special Funds	\$3,204,974	\$43,204,974	\$48,204,974	\$48,204,974
Total Funding	\$54,768,109	\$102,586,143	\$99,998,265	\$101,919,014
FTE Count	52.30	50.30	50.30	50.30



GRANTS AWARDED for the 2019-2020 School Year (Not all were completed due to COVID-19)

Grant Title	Fiscal Agent	Schools involved	Students	Partners	Funding	Spent
Let's Do STEM	Gateway to Science	Bismarck & Mandan elementaries	1000	Basin Electric, Great River, KLU, MDU, BSC	\$3,500	\$376
Tech Savvy/STEMtastic	Jamestown Public School	Jamestown, Medina, Pingree-Buchanan, Montpelier, Litchville-Marion, Gackle-Streeter, Edgeley, Barnes County North, Hillcrest	500	AAUW-Jamestown, University of Jamestown, NDSU Extension-Stutsman County, NDSU, UTC Aerospace Engineering, ND Farmers Union-IT	\$3,500	\$3,414
Regional STEM Days for Students	Gateway to Science	Medora, Halliday, Trinity West, Beulah, Selfridge, Lidgerwood, Freedom-West Fargo, Lincoln-Jamestown, Carrington, Warwick, Ray, New Town, Minnewauken	1700	Bartlet & West, Bill Barth Ford, Indigo Signworks, MDU Resources Foundation, ONEOK	\$10,500	\$1,611
Regional STEM Days for Students	Mayville State University	Central Cass, Central Valley, Griggs County Central, Finley-Sharon, Hatton, Hillsboro, Hope-Page, Larimore, May-Port CG, Northern Cass, Northwood, Thompson	2000	UND Society of Women Engineers, UND Division of Atmospheric Science, UND Aerospace, MSU Science Club, MSU Student Education Association	\$3,500	\$0
Regional STEM Days for Students	Dakota College at Bottineau	Drake-Anamoose, Harvey, Rugby, Towner, Granville, Mohall, Newberg, Westhope, Bottineau, Dunseith, Dunseith Day School, Ojibwa Indian School, Turtle Mountain MS, Rollette, St Johns	400	ND Energy Education, Bottineau Ambulatory Services, ND Forest Service, USDA, NDSU Extension Service, ND Space Grant Consortium, ND Water Commission, UND School of Medicine and Aeronautics, WOLD Engineering, NCEC	\$3,500	\$1,481

GRANTS AWARDED for the 2020-2021 School Year

Grant Title	Fiscal Agent	Schools involved	Students	Partners
Stutsman County STEM Day	Montpelier Public School	Montpelier, Pingree-Buchanan, Medina, Litchville-Marion, Hillcross, Edgeley, Gackle-Streeter	146	AAUW-Jamestown, University of Jamestown, Gateway to Science, Microsoft, Apex Engineering, Lifetime Eyecar, Ducks Unlimited-Great Plains Region

STEM Day for North-Dakota College at Central ND MS Students	Bottineau	Drake-Anamoose, Harvey, Rugby, Towner, Granville, Mohall, Newberg, Westhope, Bottineau, Dunseith, Dunseith Day School, Ojibwa Indian School, Turtle Mountain MS, Rollette, St Johns	500	ND Energy Education, Bottineau Ambulatory Services, ND Forest Service, USDA, NDSU Extension Service, ND Space Grant Consortium, ND Water Commission, UND School of Medicine and Aeronautics, WOLD Engineering, NCEC	\$4,500
Personalized STEM Carnival	Mayville State University	Central Valley, Emerado, Griggs County, Central, Finley-Sharon, Hatton, Hillsboro, Hope-Page, Larimore, May-Port CG, Northern Cass, Northwood, Thompson	180	UND Society of Women Engineers, UND Division of Atmospheric Science, UND Aerospace, MSU Science Club, MSU Student Education Association	\$4,500
NESC Virtual Scrubs Camp	Northeast Education Services Cooperative (NESC)	Dakota Prairie, Devils Lake, Edmore, Lakota, Langdon, Leeds, Maddock, Minnewaukan, Mount Pleasant-Rolla, Pingree-Buchanan, St Alphonsus-Langdon, St Joseph's-Devils Lake, Starkweather, Tate Topa-Fort Totten	630	UND Rural Health, UND Nursing, MSU Nursing Be More Colorful-Fargo, Forward Devils Lake, Devils Lake Dental Office	\$3,500
Gateway to Science STEM Days	Gateway to Science Bismarck	Tioga, Bowbells, Hebron, Selfridge, Liberty-	350	Bartlet & West, Bill Barth Ford, Indigo Signworks, MDU Resources Foundation, ONEOK	\$6,150
E-Sports Pilot Programs	Grand Forks Area CTC, James Valley CTC, New Rockford-Sheyenne Public School, Hazelton-Moffit-Braddock Public School	Central Valley, Hatton, Hillsboro, Northwood, Thompson, Larimore, May-Port CG, Grand Forks, Jamestown, Gackle-Streeter, Montpelier, Pingree-Buchanan, New Rockford-Sheyenne, Cavalier, Midway, Hazelton-Moffit, Braddock, Wilton, Beulah, Hazen	120	Fenworks	\$14,000