mn DEPARTMENT
OF EDUCATION

Information Technology Certification Partnership

Report to the Legislature

As Required by Laws of Minnesota 2015, Chapter 3, article 6, section 11

For more information:

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Legislative Charge

In 2015, the Minnesota State Legislature passed House File no. 1, article 6, section 11, to address the growing skills gap within the state STEM and IT fields. Funds were allocated to the Minnesota Department of Education (MDE) to provide IT Certification programs to schools throughout the state in order to stimulate student interest in the STEM and IT fields.

Section 11. INFORMATION TECHNOLOGY CERTIFICATION PARTNERSHIP.

    Subdivision 1. Request for proposals. The commissioner of education shall issue a request for proposals no later than August 1, 2015, and award a contract no later than October 15, 2015, to a provider for the program under subdivision 3.

    Subdivision 2. Eligible schools. A school district, intermediate district, or charter school is eligible to participate in the program under this section, as long as funds are available.

    Subdivision 3. Program description; provider duties. (a) The provider must partner with eligible schools to make available a program to teach information technology skills and competencies that are essential for career and college readiness. By December 1, 2015, the provider must contact each eligible school and indicate how the school can access program services under this section.

    (b) The provider shall recruit up to 200 schools to participate in the program as long as funds are available. The provider must engage schools on a first-come, first-served basis, except that no more than half of the total funds available may be used to deliver the program to schools located in the seven-county metropolitan area.

    (c) The provider shall deliver to each participating school:

    (1) a research-based information technology curriculum;

    (2) online access to the curriculum;

    (3) instructional software for classroom and student use;

    (4) training for teachers who will be using the curriculum or instructional software;

    (5) industry-recognized certification of skills and competencies in a broad array of information technology-related skill areas; and

    (6) project management, deployment, and program support, including, but not limited to, integration with academic standards under Minnesota Statutes, section 120B.021 or 120B.022.

    Subdivision 4. Department support. The Department of Education must make support available to the provider, including acting as the primary liaison between schools and the provider and providing direction and oversight, consistent with the purposes of this section.

    Subdivision 5. Report required. By February 1, 2018, the provider and commissioner must jointly develop and deliver to the committees of the legislature with jurisdiction over kindergarten through grade 12 education, a summary report on program activities and outcomes, including a description of the number and location of participating schools and students, and the number and type of certifications earned by students.

In January 2016 MDE contracted Mouse, Inc. "to deliver a technology curriculum and online learning platform for high school students in Minnesota." The contract was between the State of Minnesota, acting through its Commissioner of the Minnesota Department of Education (MDE), 1500 Highway 36 West, Roseville, MN 55113-4266 ("State") and Mouse, Inc., whose designated business address is 55 Broad Street, 16th Floor, New York, NY 10004 ("Contractor").The Contractor's Authorized Representative is Daniel Rabuzzi, Executive Director, at the following business address and telephone number: 55 Broad Street, 16th Floor, New York, NY 10004, 917-715-0173, daniel@mouse.org.

Executive Summary

Legislative action in 2015 aimed to address skill gaps in the fields of science, technology, engineering and math (STEM) and information technology (IT) fields. The Minnesota Department of Education (MDE) awarded a contract to Mouse Inc. to engage up to 200 schools in Minnesota with an educational program leading to skills certifications in the STEM and IT fields. Mouse began recruiting schools through its contract with MDE in January 2016. Active recruitment was suspended in January 2017 due to the upcoming end of the contract on June 30, 2017. In just over a year's time, Mouse trained 166 educators and reached an estimated 1,000 students who collectively earned 130 certifications and submitted sufficient evidence of completion for 2,957 modules.

Mouse is a national educational nonprofit that offers a variety of project-based activities in the STEAM model (STEM + Art: emphasizing creativity within science and technology), all delivered via step-by-step instructions on an online learning platform. These activities are integrated into a badging certification system shareable on the Common App, LinkedIn, and several other websites. An overview of Mouse's content and learning design philosophy can be found at mouse.org/work. Member schools receive unlimited access to Mouse educational content, plus support and training from Mouse staff.

Minnesota high schools utilized Mouse's educational content in a variety of ways. Typically, educators integrated Mouse projects into existing classes, especially those covering business, computer science, engineering, and technology. However, some schools used Mouse as the content for an after-school, independent study, or club program. Some schools proceeded with broad implementation across multiple subject areas while others focused narrowly on one or two courses. "Coding," which teaches the fundamentals of programming languages, and "Tech Team," which facilitates the creation of a student-led school IT help desk, were especially popular.

The timeframe of the contract in relation to the school calendar presented challenges to the contractor as they recruited schools that would adopt and fully implement the program. Schools were understandably reluctant to initiate a program that they were uncertain they could continue to support once the term of the contract ended and the costs of running the program would fall on their budget.

Another finding of the project was that although students completed modules and submitted them for verification, teachers awarded far fewer credentials than expected. The contractor emphasized the role required of teachers in later trainings, but many badge-eligible submissions remained unverified at the end of the pilot. Mouse is still developing their badging platform and processes and this experience in Minnesota has been helpful in identifying gaps. Toward the end of the contract, Mouse and Best Buy were exploring pathways from content to credential to career.

Introduction

This report describes the implementation process and findings from the Information Technology Certification Partnership as described in Chapter 3, article 6, section 11, 2015. The intention of the contract was to address skills gaps present in the Science, Technology, Engineering, and Mathematics (STEM) fields by engaging with a contractor providing skills-based instruction linked to certifications/credentials. The contract was awarded to Mouse Inc. to provide step-by-step, project-based activities via an online learning platform. Students become eligible for credentials (digital badges) as they complete activities and these badges can be used as evidence of students having information technology skills and competencies.

Mouse successfully recruited and trained 166 educators in 98 schools and reached an estimated 1,000 students. Contractual conditions stipulated that no more than half of the schools served be within the seven-county Twin Cities metropolitan area. As such, Mouse focused recruitment efforts on greater Minnesota. Of the 98 schools recruited, 38 are in the Twin Cities metropolitan and 60 are in greater Minnesota.

Students engaged with the Mouse activities in a variety of contexts such as being included in courses and during after school clubs. At the end of a module, students could submit evidence of their work for certification. Students collectively earned 130 certifications and submitted sufficient evidence of completion for 2,957 modules.

Analysis

Overview

According to the contract, which spans from January 2016 to June 2017, the contractor, who is not a state employee, will:

A. Provide recruitment and onboarding for eligible schools and school districts: January 2016 through October 2016.
B. Provide professional development and training to all teachers.
C. Provide online access to curriculum and any instructional software needed for all enrolled schools.
D. Online Certification: Contractor shall use its reasonable efforts to require site Coordinators to facilitate the Mouse Squad curriculum as required to complete the certification.
E. Provide deployment and program support.
F. Provide the state through reasonable efforts with requested data as needed.
G. Certify students have met informational technology skills and competencies that are recognized by industry.
H. Build sustainability for programs to continue beyond terms of the contract.
I. Enter into a memorandum of understanding (MOU) with each school to formalize the membership of the program for each school district.
J. Provide a final report on effectiveness of the contract no later than June 1, 2017, to allow for review and approval of MDE.

Deliverables and Accomplishments

The following list highlights the efforts and accomplishments made by Mouse, Inc. to address the 10 areas that were laid out in the contract between MDE and Mouse, Inc. as the expected deliverables of the contractor. This section details the progress made towards these deliverables from January 2016 through June 2017.

Deliverable A

Contractor Duties:

Provide recruitment and onboarding for eligible schools and school districts, January 2016 through October 2016

1. Includes access to mousesquad.org membership
2. Online professional development training: February 2016 through June 30, 2017
3. Mouse Program deployment: September 2016 through June 30, 2017
4. Evaluation of program effectiveness: May 2017 through June 30, 2017: Contractor shall support a formative evaluation of the Mouse Squads and shall continue to develop tools to provide participants with real-time evaluation data provided that each participating site is entered with full registration information on mousesquad.org.
5. Recruit up to 200 eligible schools with students in grades 9-12.

Actions/Activities:

1. As of June 2017, 98 Minnesota schools are active Mouse member schools under the MDE contract and have been granted access to the curriculum and online platform.
2. Mouse has offered in-person sessions or video chat sessions for training/onboarding to all member schools on multiple occasions, but only some have taken advantage of the opportunity. Training was provided to 49 sites and 166 educators. Mouse Create also offers three online courses for coordinators.
3. See Training Sessions
4. See Resource Kits Provided to Member Schools
5. Evaluative surveys were conducted in April and May of 2017. The results of this evaluation will be made available to MDE by August of 2017.
6. See Map of Member Schools for up-to-date list of 98 member schools within the MDE contract. An email was sent out to all eligible schools in December of 2015 introducing the partnership between MDE and Mouse. The email explained Mouse's mission, the curriculum and online platform that schools would gain access to, the help desk, and what students would achieve through participating in the program. The emphasis was on helping students develop essential technology and professional skills that would better prepare them for a STEM career.
   a. Another email went out in March of 2016, which emphasized Mouse's Green Tech content as a way to design a school Mouse Squad. Highlighted was the Mouse emphasis on projects for social change and student-led betterment of schools, communities, and the world.
   b. Mouse conducted additional targeted recruitment from May 2016 to January 2017.
   c. Total recruitment emails sent: 4,573
   d. Total recruitment calls made: 177
   e. Additional recruiting efforts were made at 20 local education events and conferences. See Informational Sessions and Recruitment Efforts

Mouse member districts and number of schools in the seven-county Twin Cities metro area: 38

Anoka: 2	Dakota: 6	Ramsey: 11	Washington: 1
Carver: 2	Hennepin: 13	Scott: 3	

Mouse member districts and number of schools in greater Minnesota: 60

Aitkin: 1	Houston: 2	Meeker: 1	Sibley: 1
Beltrami: 1	Hubbard: 2	Mille Lacs: 1	Stearns: 4
Benton: 2	Itasca: 3	Morrison: 2	Steel: 1
Blue Earth: 2	Kandiyohi: 2	Murray: 1	Swift: 1
Carlton: 2	Kittson: 1	Nicollet: 1	Wabasha: 1
Cass: 1	Lac qui Parle: 1	Norman: 1	Waseca: 1
Chippewa: 1	Le Sueur: 1	Pine: 1	Winona: 1
Clearwater: 2	Mahnomen: 1	Polk: 1	Yellow Medicine: 1
Crow Wing: 2	Marshall: 1	Roseau: 1	
Faribault: 1	Martin: 1	Saint Louis: 4	
Goodhue: 2	McLeod: 1	Sherburne: 1	

Deliverable B

Contractor Duties:

Provide recruitment and onboarding for eligible schools and school districts, January 2016 through October 2016

1. Includes access to mousesquad.org membership
2. Online Professional Development Training: February 2016 through June 30, 2017
3. Mouse Program Deployment: September 2016 through June 30, 2017
4. Evaluation of program effectiveness: May 2017 through June 30, 2017: Contractor shall support a formative evaluation of the Mouse Squads and shall continue to develop tools to provide participants with real-time evaluation data provided that each participating Site is entered with full registration information on mousesquad.org.
5. Recruit up to 200 eligible schools with students in grades 9-12.
   a. All eligible schools will be contacted by December 1, 2015.
   b. No more than half the schools will come from the 7 county Twin Cities metro area. The Contractor shall provide MDE an interim report no later than January 31, 2016 regarding schools and districts recruited.

Actions/Activities

1. 100 percent of Mouse Member Schools have received the Mouse Resource Kit (containing materials to run Mouse projects); 16 schools have additionally received the Green Tech Kit (specific materials for our Green Tech course).
2. See: Resource Kits Provided to Member Schools
3. Mouse offered in-person or video chat onboarding sessions for training/onboarding to all member schools. The offer was made to all current member schools on multiple occasions, but only some took advantage of the opportunity. By the end of the contract, 49 sites were trained/onboarded within the MDE contract.
4. Introductions and offers for support made: 776 primarily via email
5. On average, a total of 15-20 emails are exchanged with Minnesota member schools per week, which provides an opportunity to continue training educators as they begin using the content and platform.
6. With the launch of a new online learning platform, Mouse Create, training was introduced in the fall of 2016 to demo learning activities, provide pedagogical recommendations, and discusses possible methods of implementation for educators. To date, Mouse has trained 166 educators within the MDE contract.
7. See Training Sessions
8. Additional Professional Development Opportunities
   a. Mouse Create Conference – October 28, 2016
      10 educators from Minnesota were given the opportunity to travel to New York City to attend the Mouse Create Conference for Educators, hosted at Teach for America. The event included:
      • Updates on the Mouse Create online learning platform.
      • Workshop sessions to explore Mouse Create content and recommendations for pedagogy and implementation.
      • Networking opportunities for educators.

b. Mouse Minnesota Educators Conference – April 10, 2017

21 educators from Minnesota joined Mouse staff at Best Buy Corporate Headquarters. The event included:

- Training in the use of the Mouse Create online learning platform
- Workshop sessions to explore Mouse Create content and recommendations for pedagogy and implementation.
- Networking opportunities for educators.

Deliverable C

Contractor Duties:

Provide online access to curriculum and any instructional software needed for all enrolled schools.

Actions/Activities:

Mouse Create launched in early September 2016. All member schools were given their access codes to begin creating accounts and forming student groups to begin work on the curriculum and badges.

Deliverable D

Contractor Duties:

Online Certification: Contractor shall use its reasonable efforts to require site coordinators to facilitate the Mouse Squad curriculum as required to complete the certification.

Actions/Activities:

Under the launch of Mouse Create, students were able to complete courses in 24 STEM areas. Educators can select among the projects within each course to create custom playlists that meet their learning goals or choose from pre-created courses.

Within each course, students could earn digital certification badges recognized by employers, K-12 stakeholders, and universities. Mouse educators review student project submissions and determine demonstrable skills for students to earn each badge. Refer to the following table:

Courses and Badges Offered

Course Name	Badges Available
Circuitry and Electronics	Analog Circuits
	Arduino Circuits
	Circuit Design

Course Name	Badges Available
Design with Purpose	Empathy
	Human-Centered Design
	Iteration
	Pitch and Publish
	Prototyping
	Synthesize
	User Interviews
Green Tech	Marketing Electricity
	Powering Change
	Renewable Energy
Intro to Design	3D Design
	Graphic Design
IT Essentials and Admin	Apps and Software
	Communicator
	Operating Systems
	Programming
	Team Builder
Serious Games	Game Activist
	Game Designer
	Scratch Developer
Tech Team	Fixer
	Hardware
	Networks
Web Literacy and Coding	HTML and CSS
	JavaScript
	Web Citizen
	Web Privacy
	Web Security

Deliverable E

Contractor Duties:

Provide deployment and program support including, but not limited to:

1. All accessibility requirements shall comply with Section 508 and Web Content Accessibility Guidelines (WCAG) 2.0 – Level AA with a check-in on October 31, 2016, December 15, 2016, and January 30, 2017.
2. Minimum of 20 monthly communications with enrolled schools.
3. Develop a calendar for following up with enrolled schools.
4. Call/email each school through regularly scheduled check-in times.
5. Handle 100 percent of issues, complaints and inquiries within a business day of receiving the response.
6. Maintain a log of all communication and program supports.
7. Support schools with integration with academic standards under Minnesota Statutes, section 120B.021 or 120B.022.

Actions/Activities:

1. Throughout this contract, Mouse has worked to update its content to align with section 508 and WCAG standards.
2. On average, 60-80 check-in emails are sent to member schools per month. Most are focused on guiding schools through program implementation and the use of Mouse Create. Other subjects include educator feedback on projects, updates on student learning, and learning event coordination. Not all schools are communicative, but Mouse has made consistent efforts to ensure open lines of communication.
3. Following recruitment outreach, once a school expressed interest, Mouse proceeded as follows to enroll schools, onboard, and continue communication and support:
   a. School participated in-person or remote info-session (ideally), or at least an exchange of information via email.
   b. School signs up.
   c. "Welcome to Mouse" email is sent with basic sign-up and navigation instructions: a basic "how-to guide"; resource kit is sent to school.
   d. Personal offer to train educators at the school to use Mouse Create, either remotely or in-person. Note: some in-person training events have occurred in locations away from the metro area. All member schools in the region received personal invitations to attend in-person events.
   e. Continual email support is provided. Some schools take advantage of this more than others, and for most schools support requests come in waves (i.e., a dozen emails from a school may be responded to in a two-day period, and then nothing for months).
4. Support emails*: 1,200 (approximate)
   *Category used to denote instances when member schools reach out to Mouse via e-mail with questions or problems. Educators also have 24-hour access to help@mouse.org that is directed to the national headquarters
5. See Recruitment and Training Engagement
6. The Mouse Learning Design Team has worked to align Mouse content with Minnesota state educational standards. When training Minnesota member schools, our Learning Network manager informed educators about available resources that mapped out adherence to these standards.

Deliverable F

Contractor Duties:

Provide state, through reasonable efforts, with requested data as needed including, but not limited to:

1. Schools enrolled.
2. Teachers trained.
3. Students enrolled.
4. Students passing competencies.
5. Communications with schools.

Actions/Activities:

1. Current MDE Mouse member school enrollment: 98
2. 166 educators have been trained through Mouse training/onboarding sessions
3. Roughly 857 students have been enrolled so far. However, some schools have elected to use Mouse Create without formally enrolling students. The estimated number of students involved in Mouse in Minnesota should be closer to 1,000.
4. Total number of certifications earned: 130. Students submitted 2,957 pieces of evidence of module completion, making them eligible to earn badges. Teachers need to verify evidence submitted and award the badges to students.
5. See Recruitment and Training Engagement

Deliverable G

Contractor Duties:

Certify students have met informational technology skills and competencies that are recognized by industry.

Actions/Activities:

Mouse badging certifications are recognized by employers, K-12 stakeholders, and universities. Students can earn digital badges for demonstrable skills across competencies learned.

Locally, Mouse has met with (among others) 3M, Advance IT Minnesota, Best Buy, the Minnesota Department of Labor and Industry, the Minnesota High Tech Association, Thompson Reuters, and the University of Minnesota in an effort to increase awareness of the value of Mouse badging certifications. Best Buy has been especially supportive and recognizes Mouse badges when evaluating potential employees.

Deliverable H

Contractor Duties:

Build sustainability for programs to continue beyond terms of the contract.

Actions/Activities:

Mouse is committed to making meaningful connections with like-minded organizations in Minnesota in order to foster productive collaboration. See Meetings with Minnesota Organizations.

Deliverable I

Contractor Duties:

Enter into a Memorandum of Understanding (MOU) with each school to formalize the membership of the program for each school district.

Actions/Activities:

See the attached copy of the updated Memorandum of Understanding that has been given to all Mouse member schools.

Deliverable J

Contractor Duties:

Provide final report on effectiveness of the contract to MDE no later than June 1, 2017.

Actions/Activities:

A draft of the final report was provided to MDE on May 12, 2017. Final data was not available from Mouse personnel until August 2017. The final update was provided to MDE on August 21, 2017.

Conclusion

Mouse successfully executed the contract, providing evidence of their work on each stated deliverable. Due to delays in the RFP process, Mouse was awarded the contract in January 2016 which had an impact on their ability to recruit schools. Active recruitment was suspended in January 2017 due to the upcoming end of the contract on June 30, 2017. In just over a year's time, Mouse trained 166 educators and reached an estimated 1,000 students who collectively earned 130 certifications and submitted sufficient evidence of completion for 2,957 modules in STEAM areas.

The response from Minnesota educators using the Mouse online learning platform has been overwhelmingly positive with growing local excitement. That said, the timeframe of Mouse's contract with MDE presented significant challenges. Schools and educators plan curriculum well in advance of the school year, and it was difficult for many to implement Mouse's educational content on short notice. Schools have expressed that they need more time to fully integrate our projects into their classrooms. Many schools started in the 2016-17 school year, and some used access to Mouse's content to plan for implementation during the 2017-2018 school year.

A handful of schools stated they would be interested in using Mouse at a later date, but at the moment were either too overwhelmed or too understaffed. Others cited concerns over the short length and uncertainty of the current contract, and were hesitant to devote time and effort to educational materials they weren't sure would be available in future years. Beyond recruiting and implementation, one and a half years is not enough time to fully evaluate educational outcomes. For future educational initiatives, Mouse recommends a minimum five-year funding allocation: one year to establish a program and four years to carry out/evaluate said program.

Mouse and its member schools were disappointed to hear that IT certification funding would not continue beyond 2017. Despite this outcome, Mouse remains committed to Minnesota educators and students. They have offered complimentary memberships to 50 Minnesota schools who have demonstrated high engagement and/or a pressing need for IT and STEM education. This model is not sustainable beyond the 2017-2018 school year, but Mouse hopes that complimentary memberships will bridge the gap between school funding cycles and allow administrators to include a Mouse membership in future budget planning.

Because many schools implemented the program without assigning individual student log-ins, the actual number of students participating and completing modules is unknown. Limitations were also found in the process for students to earn certifications via digital badges. Teacher action is required to verify the student's submissions before badges are awarded and many teachers did not take the steps necessary to verify the work and award the badges. Though work was underway to develop pathways to careers based on skills developed through the Mouse content, no pathways were in place for students to "stack" their badges, turning them into credentials which would allow them an expedited path into employment or postsecondary education. Opportunities like these for students remain underdeveloped and need longer-term support before they may be realized.

Map of Member Schools

January 2016 – June 2017
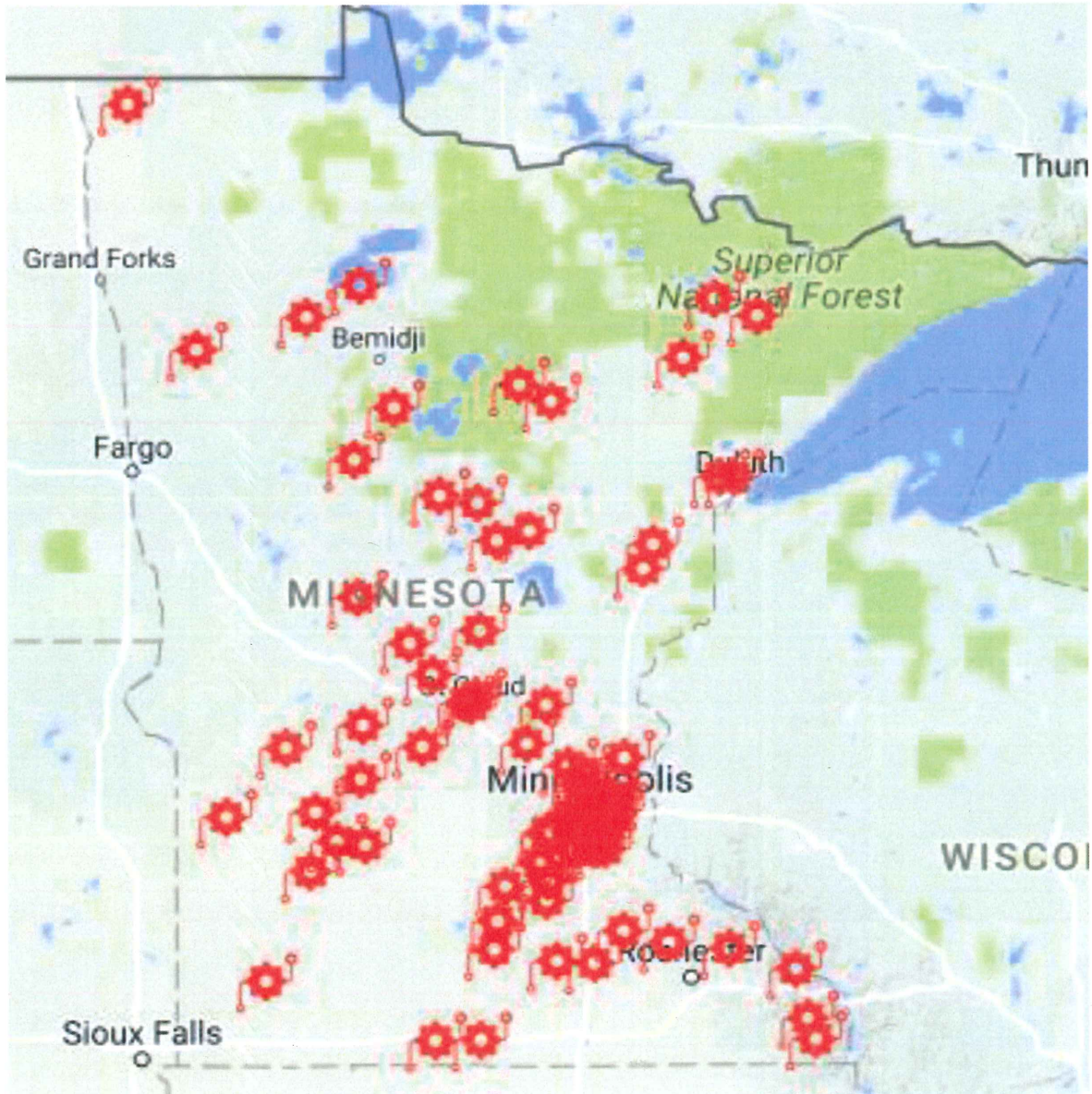
List of Member Schools (Metro)

Member Schools	City	County
AFSA High School	Vadnais Heights	Ramsey
Anoka High School	Anoka	Anoka
Apple Valley Senior High	Apple Valley	Dakota
Avalon School	Saint Paul	Ramsey
Brooklyn Center Secondary	Brooklyn Center	Hennepin
Burnsville Senior High	Burnsville	Dakota
Central Senior High	Saint Paul	Ramsey
Chanhassen High School	Chanhassen	Carver
Chaska High School	Chaska	Carver
Como Park Senior High	Saint Paul	Ramsey
Eagan Senior High	Eagan	Dakota
Eastview Senior High	Apple Valley	Dakota
Fairview Alternative High School	Roseville	Ramsey
Forest Lake Senior High	Forest Lake	Washington
Great River School	Saint Paul	Ramsey
Harding Senior High	Saint Paul	Ramsey
Henry Sibley High School	West Saint Paul	Dakota
Hiawatha Collegiate High School	Minneapolis	Hennepin
Humboldt Secondary School	Saint Paul	Ramsey
Jefferson Senior High	Bloomington	Hennepin
Jordan Secondary	Jordan	Scott
Lionsgate Academy	Crystal	Hennepin
Metropolitan Education for Future Employment Charter	Minneapolis	Hennepin

Member Schools	City	County
Minnesota Online School	Saint Paul	Ramsey
New Prague Senior High	New Prague	Scott
North Academy Arts/Communication	Minneapolis	Hennepin
Northwest Passage High School	Coon Rapids	Anoka
Open World Learning Secondary	Saint Paul	Ramsey
Park Center High School	Brooklyn Park	Hennepin
Perpich Center for Arts Education	Golden Valley	Hennepin
Prior Lake High School	Savage	Scott
Robbinsdale Armstrong Senior High	Plymouth	Hennepin
Rosemount Senior High	Rosemount	Dakota
SAGE Academy Charter School	Brooklyn Park	Hennepin
Southwest Senior High	Minneapolis	Hennepin
Ubah Medical Academy Charter School	Hopkins	Hennepin
Washington Tech Secondary Magnet	Saint Paul	Ramsey
Watershed High School	Richfield	Hennepin

List of Member Schools (Non-Metro)

Member Schools (Non-Metro)	City	County
Aitkin Secondary School	Aitkin	Aitkin
Apollo Senior High	Saint Cloud	Stearns
Belgrade-Brooten-Elrosa Secondary	Belgrade	Stearns
Benson Secondary	Benson	Swift
Big Lake High School	Big Lake	Sherburne
Blue Earth Area Secondary	Blue Earth	Faribault
BOLD Senior High	Olivia	Renville
Caledonia Area High School	Caledonia	Houston
Carlton Secondary	Carlton	Carlton
CHOICE Technical Academy	Owatonna	Steele
Clearbrook-Gonvick Secondary	Clearbrook	Clearwater
Crosby-Ironton Secondary	Crosby	Crow Wing
Crosslake Community High School	Crosslake	Crow Wing
Dawson-Boyd Secondary	Dawson	Lac qui Parle
Deer River High School	Deer River	Itasca
DREAM Technical Academy	Willmar	Kandiyohi
Eagle Valley Secondary	Clarissa	Todd
East Range Academy of Tech-Science	Eveleth	Saint Louis
ECHO Charter School	Echo	Yellow Medicine
Eden Valley-Watkins Secondary	Eden Valley	Meeker
Fairmont Jr./Sr. High School	Fairmont	Martin
Fertile-Beltrami Secondary	Fertile	Polk
Foley Senior High	Foley	Benton

Member Schools (Non-Metro)	City	County
Grand Rapids Senior High	Grand Rapids	Itasca
Healy Secondary	Pierz	Morrison
Hermantown Senior High	Hermantown	Saint Louis
Holdingford Secondary	Holdingford	Stearns
Houston Secondary	Houston	Houston
Hutchinson Senior High	Hutchinson	McLeod
Infinity Online	Coleraine	Itasca
Kato Public Charter School	Mankato	Blue Earth
Kenyon-Wanamingo Senior High	Kenyon	Goodhue
Lancaster Secondary	Lancaster	Kittson
Laporte Secondary	Laporte	Hubbard
M.A.C.C.R.A.Y. Senior High	Clara City	Chippewa
Minnesota New Country School	Henderson	Sibley
Moose Lake Secondary	Moose Lake	Carlton
Murray County Central Secondary	Slayton	Murray
New London-Spicer High School	New London	Kandiyohi
Norman County West Secondary	Halstad	Norman
Northeast Range Secondary	Babbitt	Saint Louis
Park Rapids Senior High	Park Rapids	Hubbard
Pine Island Secondary	Pine Island	Goodhue
Pine River-Backus High School	Pine River	Cass
Plainview-Elgin-Millville High	Plainview	Wabasha
Princeton Senior High	Princeton	Mille Lacs

Member Schools (Non-Metro)	City	County
Red Lake Secondary	Red Lake	Beltrami
Renville County West Senior High	Renville	Renville
Sauk Rapids-Rice Senior High	Sauk Rapids	Benton
St. Peter Senior High	Saint Peter	Nicollet
Swanville Secondary	Swanville	Morrison
Technical Senior High	Saint Cloud	Stearns
Tri-City United High School	Montgomery	Le Sueur
Vermilion Country School	Tower	Saint Louis
Warren-Alvarado-Oslo Secondary	Warren	Marshall
Warroad High School	Warroad	Roseau
Waseca Senior High	Waseca	Waseca
Waubun Secondary	Waubun	Mahnomen
Willow River Secondary	Willow River	Pine
Winona Senior High	Winona	Winona

Training Sessions

Mouse Minnesota offered face-to-face and remote training events to member schools to introduce educators to the updated learning platform, demonstrate a few learning activities, provide pedagogical recommendations and discusses possible methods of implementation based on the specific needs, technological capabilities, and goals of the member school. A total of 35 sites hosted training sessions, with 74 schools attending and 166 coordinators trained.

Host School *remote training	Date	Schools in Attendance	Educators Trained
Kenyon-Wanamingo Secondary	8/24/16	Kenyon-Wanamingo Secondary	1
CHOICE Technical Academy	8/26/16	CHOICE Technical Academy	1
Crosby-Ironton Secondary*	9/1/16	Crosby-Ironton Secondary	4
Project SOCRATES	9/13/16	Blue Earth Secondary Tri-City United High School	4
BOLD High School	9/14/16	BOLD Senior High ECHO Charter School MACCRAY Senior High	7
Watershed High School	9/15/16	LoveWorks Academy For Arts K-8 Watershed High School	3
Como Park Senior High	9/16/16	Avalon High School Central Senior High Como Park Senior High Forest Lake Area Senior High Harding Senior High Minnesota Online High School	8
Sauk Rapids-Rice High School	9/19/16	Belgrade Brooten Elrosa High School Healy Secondary Little Falls Senior High Sauk Rapids-Rice Senior High	7
Grand Rapids High School	9/22/16	Clearbrook-Gonvick Secondary Deer River High School Duluth Edison Charter Schools (Middle) Grand Rapids High School	7

Host School *remote training	Date	Schools in Attendance	Educators Trained
Moose Lake Secondary	9/22/16	Moose Lake Secondary Pine River-Backus High School	2
Burnsville High School	9/28/16	AFSA High School Apple Valley Senior High Burnsville High School	3
Humboldt Secondary	9/28/16	Academy of Information Technology at Humboldt Secondary	12
Caledonia High School*	10/3/16	Caledonia High School	4
Lancaster Secondary*	10/5/16	Lancaster Secondary	1
St. Paul Conservatory for Performing Arts	10/12/16	St. Paul Conservatory for Performing Arts	5
Southwest High School	10/13/16	Southwest High School	4
Lionsgate Academy	10/24/16	Lionsgate Academy	4
Big Lake High School	11/2/16	Big Lake High School	1
Metropolitan Education for Future Employment	11/3/16	Metropolitan Education for Future Employment	12
New Prague Senior High*	11/8/16	New Prague Senior High	3
Humboldt Secondary	11/15/16	Humboldt Secondary	8
Jefferson High School	11/17/16	Jefferson High School	2
Crosslake Community High School*	1/12/17	Crosslake Community High School	1
Eastview High School	1/17/17	Eastview High School	1
Harding Senior High	1/19/17	Harding Senior High	1
Park Center Senior High	2/7/17	Park Center Senior High	1
DREAM Technical Academy	2/14/17	DREAM Technical Academy	2
New London-Spicer High School	2/14/17	New London-Spicer High School	6
North Community High School	2/17/17	North Community High School	3
Fairview Alternative High School	3/27/17	Fairview Alternative High School	1

Host School *remote training	Date	Schools in Attendance	Educators Trained
LoveWorks Academy for Arts	3/28/17	LoveWorks Academy for Arts	1
Mouse Minnesota Educators Conference	4/10/17	Avalon School	21
		Belgrade Brooten Elrosa High School	
		Big Lake High School	
		Burnsville High School	
		Caledonia Area High School	
		CHOICE Technical Academy	
		Deer River High School	
		Eastview Senior High	
		Harding Senior High School	
		Hutchinson Senior High	
		Jordan Secondary	
		Metropolitan Education for Future Employment	
		Minnesota Online High School	
		Moose Lake Secondary	
		Northwest Passage High School	
		Open World Learning Secondary	
		Perpich Center for Arts Education	
		Sauk Rapids-Rice Senior High	
		Tri-City United High School	
Caledonia Mouse Student Conference	5/5/17	Caledonia Area High School	3
		Houston Secondary	
		Winona Senior High	
Perpich Center for Arts Education	6/12/17	Perpich Center for Arts Education	5
Northwest Passage High School	6/12/17	Northwest Passage High School	15

Resource Kits Provided to Member Schools

Welcome Kits

Welcome Kits were sent to all Mouse member schools and came standard with a Mouse membership. 98 Welcome Kits were sent out to schools. Included materials:

1. General instructions for accessing the new Mouse Create platform
2. 25 Student lanyards
3. 2 Educator lanyards
4. 27 ID card holders with inserts
5. 25 Sticker sheets
6. 3 Posters
7. 25 Mouse Buttons
8. 1 Set of Torx Screwdrivers
9. 5 8GB USB Drives
10. Materials for the following activities:
    a. "DIY Turbine" Project (Green Tech Course)
    b. "Light-up Creature" Project (Garage Robotics Course)
    c. "Human Circuit" Activity (Garage Robotics Course)

Green Tech Kits

Beyond the scope of this contract, Mouse used funds bestowed by a National Science Foundation grant to provide schools with materials for use in Mouse's Green Tech course. Each kit has a value of roughly $150. Kits include general materials to complete activities from the Green Tech Course:

1. 3 Watt Meters
2. 1 10oz. Canister of Activated Carbon
3. 4 Rolls of Enameled Copper Wire
4. 10-pack LEDs
5. 2 10-packs of Alligator Clips
6. 2 Digital Multimeters
7. 6 AA NiMH Rechargeable Batteries
8. 5 Hobby Motors
9. A Roll of Aluminum Foil
10. 5 16 oz. Bottles of Vinegar
11. 5 Neodymium Disc Magnets (1"x 1/4")
12. 5 Film Canisters

Informational Sessions and Recruitment Efforts

Date(s)	Description
April 2016	Outreach to Minnesota Consortiums
4/16/16	Minnesota STEM Network 7th Annual Conference
4/23/16	Nano Days
5/4/16	MDE Informational Session Mass Invite
5/10/16	MDE Informational Session Personal Invites
4/16/16	Minnesota STEM Network 7th Annual Conference
5/16/16	MDE Informational Session Personal Invites 1st Follow-up
6/8/16	MDE Informational Session 2nd follow-up, framed as a "sorry we missed you," and providing some information on Mouse
June - July 2016	Personal emails to all provided via MDE spreadsheet
6/6/16	Best Buy Teen Tech Center Experience
6/29/16	Generation Next Meeting
8/17/16	Discover IT Network Quarterly Connection
8/25/16	STEM Day at the Minnesota State Fair
9/29/16	Academy of Information Technology Advisory Board Meeting
10/4/16	Educelerate North: "I Lost Track of Time": Using Technology to Promote Education Play and Flow
10/14/16	Minnesota MBITE 50th Annual Conference
10/25/16	Education Partners Luncheon
11/15/16	Minnesota Department of Labor and Industry: Pipeline Project Industry Council Meeting
11/30/16	Discover IT Network Quarterly Connection
12/12/16 - 12/13/16	TIES 2016 Education Technology Conference
1/16/17	"A Gathering of Great Minds" Educator Conference

Date(s)	Description
1/18/17	Minnesota Department of Labor and Industry: Youth Career Connection Information Technology Kick-off
1/21/17	FIRST Tech Challenge (North Branch)
2/22/17	Discover IT Network Quarterly Connection
2/25/17	Minnesota FIRST Lego League State Championship
4/5/17 – 4/7/17	Clubhouse Network Conference

110 Informational Sessions have been offered to further introduce schools to Mouse before signing on as member schools. 89 percent of schools that attended an informational session signed up for Mouse. The following is a list of sites that hosted an informational session:

AFSA High School

Aitkin Secondary

Anoka High School

Apollo Senior High

Apple Valley Senior High

Avalon School

Belgrade-Brooten-Elrosa Secondary

Benson Secondary

Big Lake High School

Bloomington Career and College Academy

Blue Earth Area Secondary

BOLD Senior High

Brooklyn Center Secondary

Burnsville Senior High

Caledonia Senior High

Carlton Secondary

Central Senior High

Chanhassen high School

Chaska High School

CHOICE Technical Academy

Clearbrook-Gonvick Secondary

Como Park Senior High

Community of Peace Academy

Crosby-Ironton Secondary

Crosslake Community High School

Dawson-Boyd Secondary

Deer River High School

DREAM Technical Academy

Eagan Senior High

Eagle Valley Secondary

East Range Academy of Tech-Science

Eastview Senior High

ECHO Charter School

Eden Valley-Watkins Secondary

Fairmont Jr./Sr. High School

Fairview Alternative High School

Fertile-Beltrami Secondary

Forest Lake Senior High

Grand Rapids Senior High

Great River School

Harding Senior High

Healy Secondary

Henry Sibley High School

Hermantown Senior High

Hiawatha Collegiate High School

Holdingford Secondary

Houston Secondary

Humboldt Secondary School

Hutchinson Senior High

Infinity Online

Jefferson Senior High

Jordan Secondary

Kato Public Charter School

Kennedy Senior High

Kenyon-Wanamingo Senior High

Laporte Secondary

Lancaster Secondary

Le Sueur-Henderson High School

Lincoln Secondary (Esko)

Lionsgate Academy

M.A.C.C.R.A.Y. Senior High

Main Street School of Performing Arts

Medford Secondary

Metropolitan Education for Future Employment Charter

Minnesota New Country School

Minnesota Online School

Moose Lake Secondary

Mounds View Senior High

Murray County Central Secondary

New London-Spicer High School

New Prague Area Schools

Norman County West

North Academy of Arts & Communications

Northeast Range Secondary

North Lakes Academy

Northwest Passage High School

Open World Learning Secondary

Park Center Senior High

Park Rapids Senior High

Perpich Center for Arts Education

Pine Island Secondary

Pine River-Backus High School

Plainview-Elgin-Millville High

Princeton Senior High

Prior Lake High School

Red Lake Secondary

Renville County West Senior High

Robbinsdale Armstrong Senior High

Robbinsdale Cooper Senior High

Rosemount Senior High

SAGE Academy Charter School

Saint Clair Secondary

Saint Paul Conservatory for Performing Arts

Sauk Rapids-Rice Senior High

Southwest Senior High

St. Peter Senior High

Swanville Secondary

Technical Senior High

Tri-City United High School

Ubah Medical Academy Charter School

Vermilion Country School

Warren-Alvarado-Oslo Secondary

Warroad High School

Waseca Senior High

Washington Tech Secondary Magnet

Watershed High School

Waubun Secondary

Willow River Secondary

Winona Senior High

Zumbrota-Mazeppa Senior High

Additionally, 17 in-person recruitment meetings were offered to schools within the greater Twin Cities area:

St. Paul Conservatory for Performing Arts (9/23/16)

Kennedy Senior High (9/27/16)

Bloomington Career & College Academy (9/28/16)

Burnsville High School (9/28/16)

Jefferson Senior High (9/30/16)

Main Street School of Performing Arts (10/4/16)

Southwest Senior High (10/7/16)

SAGE Academy (10/7/16)

St. Paul Conservatory for Performing Arts (10/12/16)

Southwest Senior High (10/13/16)

Jefferson Senior High (10/17/16)

Metropolitan Education for Future Employment Charter (10/18/16)

Robbinsdale Cooper Senior High (11/11/16)

Perpich Center for Arts Education (11/23/16)

Mounds View Senior High (12/5/16)

Anoka High School (3/1/17)

Fairview Alternative High School (3/27/17

Meetings with Minnesota Organizations

Mouse representatives met with Minnesota organizations to establish meaningful connections. All meetings were either recommended by the Minnesota Department of Education or the result of a previous contact.

Date(s)	Organization
5/19/16	Glitch
6/6/16	Best Buy Teen Tech Centers
6/6/16	Geek Squad
6/14/16	World Savvy
6/17/16	Best Buy Foundation
6/29/16	Generation Next
7/13/16	Teen Tech Tours
7/27/16	Minnesota High Tech Association
8/16/16	High Tech Kids
8/17/16	Advance IT Minnesota
8/17/16	IT Pipeline
8/23/16	Best Prep
8/23/16	Project Lead the Way
8/25/16	Code Savvy
8/26/16	Minnesota Independent School Forum
9/7/16	Andamio Games
9/28/16	Academy of Information Technology (Saint Paul Public Schools)
9/29/16	Academy of Information Technology (Saint Paul Public Schools)
10/4/16	Educelerate North
10/20/16	TIES

Date(s)	Organization
10/31/16	World Savvy
10/31/16	Minnesota High Tech Association
10/31/16	Advance IT Minnesota
10/31/16	Youthprise
11/1/16	Best Buy Foundation
11/1/16	High Tech Kids
11/1/16	3M Gives

Recruitment and Training Engagement

All schools received general email outreach providing information about the partnership between MDE and Mouse, what Mouse was and what it would provide to schools, and invitations were sent to attend Informational Sessions through the summer of 2016.

A new round of recruitment, beyond initial emails to all schools, began outreach to individual schools. During the spring of 2016, all schools received personal emails to appropriate representatives, in which the Mouse Minnesota Learning Network manager offered to come out to all schools throughout Greater Minnesota. Beginning in the fall of 2016, phone calls to school administrators were made, inviting schools in the metropolitan region to in-person informational meetings with our Minnesota-based Learning Network manager, or informational sessions for those in Greater Minnesota.

In addition, once schools became member schools, each was offered in-person training/onboarding sessions. All member schools were given multiple offers for onboarding/training sessions.

Map of Minnesota Regions:
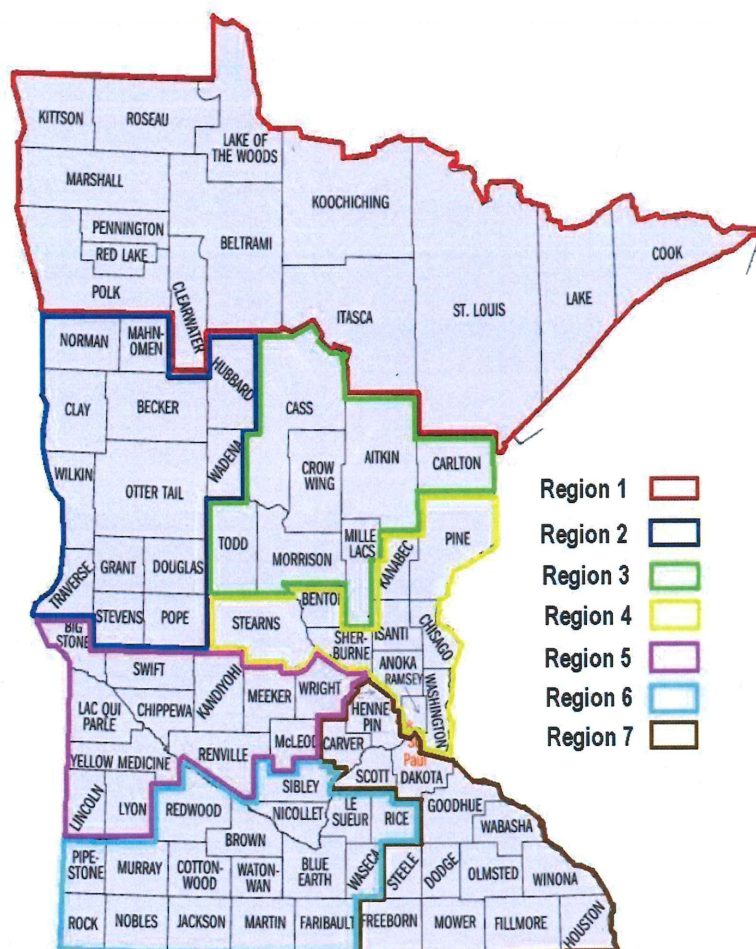
Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
1	Badger Secondary	Yes	Yes	Yes	No	No
1	Bagley Secondary	Yes	Yes	Yes	No	No
1	Bemidji Senior High	Yes	Yes	Yes	No	No
1	Bigfork Secondary	Yes	No	Yes	Yes	No
1	Blackduck Secondary	Yes	Yes	Yes	No	No
1	Cherry Secondary	Yes	Yes	Yes	No	No
1	Chisholm Secondary	Yes	Yes	Yes	No	No
1	Clearbrook-Gonvick Secondary	Yes	No	Yes	Yes	Yes
1	Climax Secondary	Yes	Yes	Yes	No	No
1	Cook County Senior High	Yes	Yes	Yes	No	No
1	Crookston Secondary	Yes	Yes	Yes	No	No
1	Deer River High School	Yes	No	Yes	Yes	Yes
1	Denfeld High School	Yes	Yes	Yes	No	No
1	Duluth Edison Charter School (Middle School)	Yes	No	Yes	Yes	Yes
1	East Grand Forks Senior High	Yes	Yes	Yes	No	No
1	East High School	Yes	Yes	Yes	No	No
1	East Range Academy of Tech-Science	Yes	No	Yes	Yes	No
1	Eveleth-Gilbert Senior High	Yes	Yes	Yes	No	No
1	Falls Secondary	Yes	Yes	Yes	No	No
1	Fertile-Beltrami Secondary	Yes	No	Yes	Yes	No
1	Fisher Secondary	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
1	Floodwood Secondary	Yes	Yes	Yes	No	No
1	Fosston Secondary	Yes	Yes	Yes	No	No
1	Goodridge Secondary	Yes	Yes	Yes	No	No
1	Grand Rapids Senior High	Yes	No	Yes	Yes	Yes
1	Greenbush-Middle River Senior High	Yes	Yes	Yes	No	No
1	Greenway Senior High	Yes	No	Yes	Yes	No
1	Grygla Secondary	Yes	Yes	Yes	No	No
1	Harbor City International Charter	Yes	Yes	Yes	No	No
1	Hermantown Senior High	Yes	No	Yes	Yes	No
1	Hibbing High	Yes	Yes	Yes	No	No
1	Indus Secondary	Yes	No	Yes	Yes	No
1	Kelley Secondary	Yes	Yes	Yes	No	No
1	Kelliher Secondary	Yes	Yes	Yes	No	No
1	Kittson Central Secondary	Yes	Yes	Yes	No	No
1	Lafayette Secondary	Yes	Yes	Yes	No	No
1	Lake of The Woods Secondary	Yes	No	Yes	No	No
1	Lancaster Secondary	Yes	No	Yes	Yes	Yes
1	Lincoln Senior High	Yes	Yes	Yes	No	No
1	Littlefork-Big Falls Secondary	Yes	Yes	Yes	No	No
1	Marshall County Central High	Yes	Yes	Yes	No	No
1	Memorial High School	Yes	Yes	Yes	No	No
1	Mesabi East Secondary	Yes	No	No	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
1	Mountain Iron-Buhl Secondary	Yes	Yes	Yes	No	No
1	Nashwauk Secondary	Yes	No	Yes	Yes	No
1	North Woods Secondary	Yes	Yes	Yes	No	No
1	Northeast Range Secondary	Yes	No	Yes	Yes	No
1	Northern Lights Community School	Yes	No	Yes	Yes	No
1	Northome Secondary	Yes	No	No	No	No
1	Proctor Senior High	Yes	Yes	Yes	No	No
1	Red Lake County Central High School	Yes	No	Yes	No	No
1	Red Lake Secondary	Yes	No	Yes	Yes	No
1	Roseau Secondary	Yes	Yes	Yes	No	No
1	South Ridge Secondary	Yes	Yes	Yes	No	No
1	Stephen Senior High	Yes	Yes	Yes	No	No
1	TrekNorth High School	Yes	Yes	Yes	No	No
1	Tri-County Secondary	Yes	Yes	Yes	No	No
1	Two Harbors Secondary	Yes	Yes	Yes	No	No
1	Vermilion Country School	Yes	No	Yes	Yes	No
1	Virginia Secondary	Yes	Yes	Yes	No	No
1	Voyageurs Expeditionary School	Yes	Yes	Yes	No	No
1	Warren-Alvarado-Oslo Secondary	Yes	Yes	Yes	Yes	No
1	Warroad High School	Yes	Yes	Yes	No	No
1	Win-E-Mac Secondary	Yes	Yes	Yes	No	No
2	Ada-Borup Secondary	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
2	Alexandria Area High School	Yes	Yes	Yes	No	No
2	Ashby Secondary	Yes	Yes	Yes	No	No
2	Barnesville Secondary	Yes	Yes	Yes	No	No
2	Battle Lake Secondary	Yes	Yes	Yes	No	No
2	Brandon-Evansville High School	Yes	Yes	Yes	No	No
2	Breckenridge Senior High	Yes	Yes	Yes	No	No
2	Campbell-Tintah Secondary	Yes	Yes	Yes	No	No
2	Chokio-Alberta Secondary	Yes	Yes	Yes	No	No
2	Detroit Lakes Senior High	Yes	Yes	Yes	No	No
2	Dilworth-Glyndon-Felton Senior High	Yes	Yes	Yes	No	No
2	Frazee Secondary	Yes	Yes	Yes	No	No
2	Hancock Secondary	Yes	Yes	Yes	No	No
2	Hawley Secondary	Yes	Yes	Yes	No	No
2	Henning Secondary	Yes	Yes	Yes	No	No
2	Herman Secondary	Yes	Yes	Yes	No	No
2	Kennedy High School	Yes	Yes	Yes	No	No
2	Lake Park Audubon Secondary	Yes	Yes	Yes	No	No
2	Laporte Secondary	Yes	Yes	Yes	Yes	No
2	Mahnomen Secondary	Yes	Yes	Yes	No	No
2	Menahga Secondary	Yes	Yes	Yes	No	No
2	Minnewaska Secondary	Yes	Yes	Yes	No	No
2	Moorhead High School	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
2	Morris Area Secondary	Yes	Yes	Yes	No	No
2	Nevis Secondary	Yes	Yes	Yes	No	No
2	New York Mills Secondary	Yes	Yes	Yes	No	No
2	Norman County East Secondary	Yes	Yes	Yes	No	No
2	Norman County West Secondary	Yes	Yes	Yes	No	No
2	Osakis Secondary	Yes	Yes	Yes	No	No
2	Park Rapids Senior High	Yes	Yes	Yes	Yes	No
2	Parkers Prairie Secondary	Yes	Yes	Yes	No	No
2	Pelican Rapids Secondary	Yes	Yes	Yes	No	No
2	Perham Senior High	Yes	Yes	Yes	No	No
2	Rothsay Secondary	Yes	Yes	Yes	No	No
2	Ulen-Hitterdal Secondary	Yes	Yes	Yes	No	No
2	Underwood Secondary	Yes	Yes	Yes	No	No
2	Verndale Secondary	Yes	No	Yes	No	No
2	Wadena-Deer Creek Senior High	Yes	Yes	Yes	No	No
2	Waubun Secondary	Yes	Yes	Yes	No	No
2	West Central Area Secondary	Yes	Yes	Yes	No	No
2	Wheaton Secondary	Yes	Yes	Yes	No	No
3	Aitkin Secondary School	Yes	No	Yes	Yes	No
3	Barnum Secondary	Yes	Yes	Yes	Yes	No
3	Bertha Secondary	Yes	No	Yes	No	No
3	Brainerd Senior High	Yes	No	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
3	Browerville Secondary	Yes	No	Yes	No	No
3	Carlton Secondary	Yes	Yes	Yes	No	No
3	Cass Lake-Bena Secondary	Yes	Yes	Yes	No	No
3	Cloquet Senior High	Yes	Yes	Yes	No	No
3	Cromwell-Wright Secondary	Yes	Yes	Yes	No	No
3	Crosby-Ironton Secondary	Yes	No	Yes	Yes	Yes
3	Crosslake Community High School	Yes	No	Yes	Yes	Yes
3	Eagle Valley Secondary	Yes	No	No	Yes	No
3	Healy Secondary	Yes	No	Yes	Yes	Yes
3	Hill City Senior High	Yes	Yes	Yes	No	No
3	Isle Secondary	Yes	No	Yes	No	No
3	Lincoln Secondary	Yes	Yes	Yes	Yes	No
3	Little Falls Senior High	Yes	No	Yes	Yes	Yes
3	Long Prairie-Grey Eagle Secondary School	Yes	No	Yes	No	No
3	McGregor Secondary	Yes	Yes	Yes	No	No
3	Milaca Secondary High	Yes	No	Yes	No	No
3	Moose Lake Secondary	Yes	No	Yes	Yes	Yes
3	Northland Secondary	Yes	No	Yes	No	No
3	Onamia Secondary	Yes	No	Yes	No	No
3	Pequot Lakes Senior High	Yes	No	Yes	No	No
3	Pillager Area Charter School	Yes	Yes	Yes	No	No
3	Pillager Senior High School	Yes	No		No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
3	Pine River-Backus High School	Yes	No	Yes	Yes	Yes
3	Princeton Senior High	Yes	No	Yes	Yes	No
3	Royalton High School	Yes	No	Yes	No	No
3	Staples-Motley Senior High	Yes	No	Yes	No	No
3	Swanville Secondary	Yes	No	Yes	Yes	No
3	Upsala Secondary	Yes	No	Yes	No	No
3	Walker-Hackensack-Akeley Secondary	Yes	Yes	Yes	No	No
3	Wrenshall Secondary	Yes	No	Yes	No	No
4	AFSA High School	Yes	Yes	Yes	Yes	Yes
4	Albany Senior High	Yes	No	Yes	No	No
4	Andover High School	Yes	No	Yes	No	No
4	Anoka High School	Yes	No	Yes	I	Yes
4	Apollo Senior High	Yes	No	Yes	Yes	No
4	Assessment Center Secondary	Yes	Yes	Yes	No	No
4	Avalon School	Yes	No	Yes	Yes	Yes
4	Aware	Yes	No	Yes	No	No
4	Becker Senior High	Yes	No	Yes	No	No
4	Belgrade-Brooten-Elrosa Sec.	Yes	No	Yes	Yes	Yes
4	Big Lake High School	Yes	No	Yes	Yes	Yes
4	Blaine High School	Yes	No	Yes	No	No
4	Braham Area Secondary	Yes	No	Yes	No	No
4	Cambridge-Isanti High School	Yes	No	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
4	Centennial High School	Yes	No	Yes	No	No
4	Central Senior High	Yes	No	Yes	Yes	Yes
4	Chisago Lakes Senior High	Yes	No	Yes	No	No
4	City Academy	Yes	Yes	Yes	No	No
4	Columbia Heights Senior High	Yes	No	Yes	No	No
4	Community of Peace Academy HS.	Yes	Yes	Yes	Yes	No
4	Como Park Senior High	Yes	No	Yes	Yes	Yes
4	Coon Rapids High School	Yes	No	Yes	No	No
4	Creative Arts Secondary School	Yes	No		No	No
4	East Central Senior Secondary	Yes	No	Yes	No	No
4	Elk River Senior High	Yes	No	Yes	No	No
4	Face to Face Academy	Yes	Yes	Yes	No	No
4	Foley Senior High	Yes	No	Yes	No	No
4	Forest Lake Senior High	Yes	No	Yes	Yes	Yes
4	Fridley Senior High	Yes	No	Yes	No	No
4	Great River School	Yes	No	Yes	Yes	No
4	Harding Senior High	Yes	No	Yes	Yes	Yes
4	High School for Recording Arts	Yes	Yes	Yes	No	No
4	Highland Park Senior High	Yes	Yes	Yes	Yes	No
4	Hinckley-Finlayson Secondary	Yes	No	Yes	No	No
4	Hmong College Prep Academy HS	Yes	Yes	Yes	No	No
4	Holdingford Secondary	Yes	No	Yes	Yes	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
4	Humboldt Secondary School	Yes	Yes	Yes	Yes	Yes
4	Irondale Senior High	Yes	Yes	Yes	No	No
4	Jennings Experiential High School	Yes	Yes	Yes	No	No
4	Johnson Senior High	Yes	Yes	Yes	Yes	No
4	Kimball Secondary	Yes	No	Yes	No	No
4	Lighthouse School	Yes	No	Yes	No	No
4	Mahtomedi Senior High	Yes	No	Yes	No	No
4	Math and Science Academy	Yes	No	Yes	No	No
4	Melrose Secondary	Yes	No	Yes	No	No
4	Minnesota Online School	Yes	No	Yes	Yes	Yes
4	Mora Secondary	Yes	No	Yes	No	No
4	Mounds View Senior High	Yes	No	Yes	Yes	No
4	North Branch Senior High	Yes	No	Yes	No	No
4	North Lakes Academy	Yes	No	Yes	Yes	No
4	North Senior High	Yes	Yes	Yes	No	No
4	Northwest Passage High School	Yes	Yes	Yes	Yes	Yes
4	Nova Classical Academy Upper School	Yes	Yes	Yes	No	No
4	Ogilvie Secondary	Yes	No	Yes	No	No
4	Open World Learning Secondary	Yes	No	Yes	Yes	No
4	PACT Charter Secondary	Yes	No	Yes	No	No
4	Paladin Career and Technical High School	Yes	No	Yes	No	No
4	Park Senior High	Yes	No	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
4	Paynesville Area High School	Yes	No	Yes	No	No
4	Pine City Secondary	Yes	No	Yes	No	No
4	Rivers Edge Academy	Yes	Yes	Yes	No	No
4	Rocori Senior High	Yes	No	Yes	No	No
4	Roseville Area Senior High	Yes	Yes	Yes	No	No
4	Rush City Secondary	Yes	No	Yes	No	No
4	Sartell Senior High	Yes	No	Yes	No	No
4	Sauk Centre Secondary	Yes	No	Yes	No	No
4	Sauk Rapids-Rice Senior High	Yes	No	Yes	Yes	Yes
4	Secondary Technical Education Program	Yes	Yes	Yes	Yes	No
4	Spectrum High School	Yes	No	Yes	No	No
4	Spring Lake Park Senior High	Yes	No	Yes	No	No
4	St Paul Conservatory for Performing Artists	Yes	Yes	Yes	Yes	Yes
4	St. Croix Preparatory Academy Upper	Yes	No	Yes	No	No
4	St. Francis High	Yes	No	Yes	No	No
4	Tartan Senior High	Yes	No	Yes	No	No
4	Technical Senior High	Yes	No	Yes	Yes	No
4	Twin Cities Academy High School	Yes	Yes	Yes	No	No
4	Washington Tech Secondary Magnet	Yes	No	Yes	Yes	No
4	White Bear North Campus Senior	Yes	Yes	Yes	No	No
4	White Bear South Campus Senior	Yes	Yes	Yes	No	No
4	Willow River Secondary	Yes	No	Yes	Yes	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
4	Woodbury Senior High	Yes	No	Yes	No	No
4	Zimmerman High School	Yes	No	Yes	No	No
5	A.C.G.C. Secondary	Yes	Yes	Yes	No	No
5	Annandale Senior High	Yes	Yes	Yes	No	No
5	Benson Secondary	Yes	Yes	Yes	Yes	No
5	Bold Senior High	Yes	Yes	Yes	Yes	Yes
5	Buffalo Lake-Hector Secondary	Yes	Yes	Yes	No	No
5	Buffalo Senior High	Yes	Yes	Yes	No	No
5	Canby Secondary	Yes	Yes	Yes	No	No
5	Clinton-Graceville-Beardsley Sr.	Yes	Yes	Yes	No	No
5	Dassel-Cokato Senior High	Yes	Yes	Yes	No	No
5	Dawson-Boyd Secondary	Yes	Yes	Yes	Yes	No
5	Delano Senior High	Yes	Yes	Yes	No	No
5	DREAM Technical Academy	Yes	Yes	Yes	Yes	No
5	ECHO Charter School	Yes	Yes	Yes	Yes	Yes
5	Eden Valley-Watkins Secondary	Yes	Yes	Yes	Yes	No
5	Glencoe-Silver Lake Senior High	Yes	Yes	Yes	No	No
5	Hendricks Senior High	Yes	Yes	Yes	No	No
5	Howard Lake-Waverly-Winsted Sec.	Yes	Yes	Yes	No	No
5	Hutchinson Senior High	Yes	Yes	Yes	Yes	No
5	Jane Goodall Environmental Science Academy	Yes	Yes	Yes	No	No
5	Kaleidoscope Charter Secondary School	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
5	Kerkhoven Secondary	Yes	Yes	Yes	No	No
5	Lac qui Parle Valley Secondary	Yes	Yes	Yes	No	No
5	Lake Benton Secondary	Yes	Yes	Yes	No	No
5	Lakeview Secondary	Yes	Yes	Yes	No	No
5	Lester Prairie Secondary	Yes	Yes	Yes	No	No
5	Lismore Colony Senior High School	Yes	Yes	Yes	No	No
5	Litchfield Senior High	Yes	Yes	Yes	No	No
5	M.A.C.C.R.A.Y. Senior High	Yes	Yes	Yes	Yes	Yes
5	Maple Lake Secondary	Yes	Yes	Yes	No	No
5	Marshall High School	Yes	Yes	Yes	No	No
5	Minneota Secondary	Yes	Yes	Yes	No	No
5	Montevideo Senior High	Yes	Yes	Yes	No	No
5	Monticello Senior High	Yes	Yes	Yes	No	No
5	New Century Academy	Yes	Yes	Yes	No	No
5	New London-Spicer Sr.	Yes	Yes	Yes	No	No
5	Ortonville Secondary	Yes	Yes	Yes	No	No
5	Renville County West Senior High	Yes	Yes	Yes	Yes	No
5	RTR High School	Yes	Yes	Yes	No	No
5	St. Michael-Albertville Senior High	Yes	Yes	Yes	No	No
5	Tracy Secondary	Yes	Yes	Yes	No	No
5	Willmar Senior High	Yes	Yes	Yes	No	No
5	Yellow Medicine East High School	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
6	Adrian Secondary	Yes	Yes	Yes	No	No
6	Arcadia Charter School	Yes	Yes	Yes	No	No
6	Blue Earth Area Secondary	Yes	Yes	Yes	Yes	Yes
6	Butterfield Secondary	Yes	Yes	Yes	No	No
6	Cedar Mountain Secondary	Yes	Yes	Yes	No	No
6	Cleveland Secondary	Yes	Yes	Yes	No	No
6	Discovery Public School Faribault	Yes	Yes	Yes	No	No
6	Edgerton Secondary	Yes	Yes	Yes	No	No
6	Ellsworth Secondary	Yes	Yes	Yes	No	No
6	Fairmont Jr./Sr. High School	Yes	Yes	Yes	Yes	No
6	Faribault Senior High	Yes	Yes	Yes	No	No
6	Fulda Secondary	Yes	Yes	Yes	No	No
6	G.F.W. High School	Yes	Yes	Yes	No	No
6	Granada-Huntley East Chain Sec.	Yes	Yes	Yes	No	No
6	Heron Lake-Okabena Secondary	Yes	No	No	No	No
6	Hills-Beaver Creek Secondary	Yes	Yes	Yes	No	No
6	Jackson County Central Senior High	Yes	Yes	Yes	No	No
6	Janesville-Waldorf-Pemberton Sec	Yes	Yes	Yes	No	No
6	Kato Public Charter School	Yes	Yes	Yes	Yes	No
6	Le Sueur-Henderson High School	Yes	Yes	Yes	No	No
6	Lk Crystal-Wellcome Memorial Sec.	Yes	Yes	Yes	No	No
6	Luverne Senior High	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
6	Madelia Secondary	Yes	Yes	Yes	No	No
6	Mankato East Senior High	Yes	Yes	Yes	No	No
6	Mankato West Senior High	Yes	Yes	Yes	No	No
6	Maple River Senior High	Yes	Yes	Yes	No	No
6	Martin County West Senior High	Yes	Yes	Yes	No	No
6	Minnesota New Country School	Yes	Yes	Yes	Yes	No
6	Mountain Lake Secondary	Yes	Yes	Yes	No	No
6	Murray County Central Secondary	Yes	Yes	Yes	Yes	No
6	New Ulm High School	Yes	Yes	Yes	No	No
6	Nicollet Senior High School	Yes	Yes	Yes	No	No
6	Northfield Senior High	Yes	Yes	Yes	No	No
6	NRHEG Secondary	Yes	Yes	Yes	No	No
6	Pipestone Senior High	Yes	Yes	Yes	No	No
6	Red Rock Central Secondary	Yes	Yes	Yes	No	No
6	Redwood Valley Senior High	Yes	Yes	Yes	No	No
6	Round Lake-Brewster Secondary	Yes	Yes	Yes	No	No
6	Sibley East-Arlington Senior High	Yes	No	No	No	No
6	Sleepy Eye Sec.	Yes	Yes	Yes	No	No
6	Springfield Secondary	Yes	Yes	Yes	No	No
6	St. Clair Secondary	Yes	Yes	Yes	Yes	No
6	St. James Secondary	Yes	Yes	Yes	No	No
6	St. Peter Senior High	Yes	Yes	Yes	Yes	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
6	Tri-City United High School	Yes	Yes	Yes	Yes	Yes
6	Truman Secondary	Yes	Yes	Yes	No	No
6	United South Central High School	Yes	Yes	Yes	No	No
6	Wabasso Secondary	Yes	Yes	Yes	No	No
6	Waseca Senior High	Yes	Yes	Yes	Yes	No
6	Waterville-Elysian-Morristown Sr.	Yes	Yes	Yes	No	No
6	Westbrook-Walnut Grove Secondary	Yes	Yes	Yes	No	No
6	Windom Senior High	Yes	Yes	Yes	No	No
6	Worthington Senior High	Yes	Yes	Yes	No	No
7	Academic Arts High School	Yes	No	Yes	No	No
7	Albert Lea Senior High	Yes	No	Yes	No	No
7	Alden-Conger Secondary	Yes	No	Yes	No	No
7	Apple Valley Senior High	Yes	No	Yes	Yes	Yes
7	Augsburg Fairview Academy	Yes	Yes	Yes	No	No
7	Austin Senior High	Yes	No	Yes	No	No
7	Belle Plaine Senior High	Yes	No	Yes	No	No
7	Blooming Prairie Secondary	Yes	No	Yes	No	No
7	Bloomington Career and College Academy	Yes	Yes	Yes	Yes	No
7	Brooklyn Center Secondary	Yes	No	Yes	Yes	No
7	Burnsville Senior High	Yes	No	Yes	Yes	Yes
7	Byron Senior High School	Yes	No	Yes	No	No
7	Caledonia Area High School	Yes	No	Yes	Yes	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
7	Cannon Falls Secondary	Yes	No	Yes	No	No
7	Central Senior High	Yes	No	Yes	No	No
7	Century Senior High	Yes	No	Yes	No	No
7	Champlin Park High School	Yes	Yes	Yes	No	No
7	Chanhassen High School	Yes	No	Yes	Yes	No
7	Chaska High School	Yes	No	Yes	Yes	No
7	Chatfield Secondary	Yes	No	Yes	No	No
7	Chesterton Academy	Yes	No	Yes	No	No
7	CHOICE Technical Academy	Yes	No	Yes	Yes	Yes
7	Community Campus	Yes	No	Yes	No	No
7	Dover-Eyota High School	Yes	No	Yes	No	No
7	Downtown Campus	Yes	No	Yes	No	No
7	Eagan Senior High	Yes	No	Yes	Yes	No
7	Eagle Ridge Academy Charter School	Yes	Yes	Yes	No	No
7	Eastview Senior High	Yes	No	Yes	Yes	No
7	Eden Prairie Senior High	Yes	Yes	Yes	No	No
7	Edina Senior High	Yes	Yes	Yes	No	No
7	Edison Senior High	Yes	Yes	Yes	No	No
7	El Colegio Charter School	Yes	Yes	Yes	No	No
7	FAIR Senior High	Yes	Yes	Yes	No	No
7	Farmington High School	Yes	No	Yes	No	No
7	Fillmore Central Senior High	Yes	No	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
7	Glenville-Emmons Secondary	Yes	No	Yes	No	No
7	Goodhue Secondary	Yes	No	Yes	No	No
7	Grand Meadow Senior High	Yes	No	Yes	No	No
7	Hastings High School	Yes	No	Yes	No	No
7	Hayfield Secondary	Yes	No	Yes	No	No
7	Henry Senior High	Yes	Yes	Yes	No	No
7	Henry Sibley High School	Yes	No	Yes	Yes	No
7	Hiawatha Collegiate High School	Yes	No	Yes	Yes	No
7	Hopkins Senior High	Yes	Yes	Yes	No	No
7	Houston Secondary	Yes	No	Yes	Yes	Yes
7	Jefferson Senior High	Yes	Yes	Yes	Yes	No
7	John Marshall Senior High	Yes	No	Yes	No	No
7	Jordan Secondary	Yes	No	Yes	Yes	Yes
7	Kasson-Mantorville Senior High	Yes	No	Yes	No	No
7	Kennedy Senior High	Yes	Yes	Yes	Yes	No
7	Kenyon-Wanamingo Senior High	Yes	No	Yes	Yes	Yes
7	Kingsland Junior/Senior High School	Yes	No	Yes	No	No
7	La Crescent Secondary Montessori & STEM Academy	Yes	No	Yes	No	No
7	La Crescent Senior High	Yes	No	Yes	No	No
7	Lakeville North High	Yes	No	Yes	No	No
7	Lakeville South High	Yes	No	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
7	Lanesboro Secondary	Yes	No	Yes	No	No
7	Learning Reimagined	Yes	No	Yes	No	No
7	LeRoy Secondary	Yes	No	Yes	No	No
7	Lewiston-Altura Secondary	Yes	No	Yes	No	No
7	Lincoln International School	Yes	No	Yes	No	No
7	Lincoln Secondary	Yes	No	Yes	No	No
7	Lionsgate Academy	Yes	No	Yes	Yes	Yes
7	LoveWorks Academy for Arts (K-8)	Yes	No	Yes	Yes	Yes
7	Lyle Secondary	Yes	No	Yes	No	No
7	Mabel-Canton Secondary	Yes	No	Yes	No	No
7	Main Street School Performing Arts	Yes	Yes	Yes	Yes	No
7	Maple Grove Senior High	Yes	Yes	Yes	No	No
7	Mayo Senior High	Yes	No	Yes	No	No
7	Medford Secondary	Yes	No	Yes	Yes	No
7	Metro Schools Charter	Yes	Yes	Yes	No	No
7	Metropolitan Education for Future Employment Charter	Yes	Yes	Yes	Yes	Yes
7	Minneapolis College Preparatory	Yes	No	Yes	No	No
7	Minnetonka Senior High	Yes	Yes	Yes	No	No
7	Mound-Westonka High School	Yes	Yes	Yes	No	No
7	MTS High School	Yes	No	No	No	No
7	MTS Pease Academy	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
7	New Prague Senior High	Yes	No	Yes	Yes	Yes
7	North Academy Arts/Communication	Yes	No	Yes	Yes	No
7	Orono Senior High	Yes	Yes	Yes	No	No
7	Osseo Senior High	Yes	Yes	Yes	No	No
7	Owatonna Senior High	Yes	No	Yes	No	No
7	Park Center High School	Yes	Yes	Yes	No	No
7	Parnassus Preparatory School-Rhetoric	Yes	Yes	Yes	No	No
7	Perpich Center for Arts Education	Yes	Yes	Yes	Yes	Yes
7	Pine Island Secondary	Yes	No	Yes	Yes	No
7	Plainview-Elgin-Millville High	Yes	No	Yes	Yes	No
7	Prairie Seeds High School Academy	Yes	Yes	Yes	No	No
7	Prior Lake High School	Yes	No	Yes	Yes	No
7	Randolph Secondary	Yes	No	Yes	No	No
7	Red Wing Senior High	Yes	No	No	No	No
7	Richfield Senior High	Yes	Yes	Yes	No	No
7	Riverway Secondary	Yes	No	No	No	No
7	Robbinsdale Armstrong Senior High	Yes	Yes	Yes	Yes	No
7	Robbinsdale Cooper Senior High	Yes	Yes	Yes	Yes	No
7	Rochester Beacon Academy	Yes	No	Yes	No	No
7	Rochester Off-Campus Charter High	Yes	No	Yes	No	No
7	Rochester STEM Academy	Yes	No	Yes	No	No
7	Rockford Secondary	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
7	Rogers Senior High	Yes	Yes	Yes	No	No
7	Roosevelt Senior High	Yes	Yes	Yes	No	No
7	Rosemount Senior High	Yes	No	Yes	Yes	Yes
7	Rushford-Peterson Senior High	Yes	No	Yes	Yes	No
7	Sabathani Campus	Yes	No	Yes	No	No
7	SAGE Academy Charter School	Yes	Yes	Yes	Yes	No
7	School of Environmental Studies	Yes	No	Yes	No	No
7	Shakopee Senior High	Yes	No	Yes	No	No
7	Simley Senior High	Yes	No	Yes	No	No
7	South Senior High	Yes	Yes	Yes	No	No
7	South St. Paul Secondary	Yes	No	Yes	No	No
7	Southland Senior High	Yes	No	Yes	No	No
7	Southwest Senior High	Yes	Yes	Yes	Yes	Yes
7	Spring Grove Secondary	Yes	No	Yes	No	No
7	St. Anthony Village Senior High	Yes	Yes	Yes	No	No
7	St. Charles Secondary	Yes	No	Yes	No	No
7	St. Louis Park Senior High	Yes	Yes	Yes	No	No
7	STEP Academy Charter School	Yes	No	Yes	No	No
7	Stewartville Senior High	Yes	No	Yes	No	No
7	Triton High School	Yes	No	Yes	No	No
7	Ubah Medical Academy Charter School	Yes	No	Yes	Yes	No
7	Unity Campus	Yes	Yes	Yes	No	No

Region	School	Email Sent	Phone Call	Follow-up Email Sent	In-Person Meeting Invitation	Attended Training Event
7	Upper Mississippi High Academy	Yes	Yes	Yes	No	No
7	Wabasha-Kellogg Secondary	Yes	No	Yes	No	No
7	Waconia Senior High	Yes	No	No	No	No
7	Washburn Senior High	Yes	Yes	Yes	No	No
7	Watershed High School	Yes	No	Yes	Yes	Yes
7	Watertown Mayer High	Yes	No	Yes	No	No
7	Wayzata High	Yes	Yes	Yes	No	No
7	Wellstone International High	Yes	Yes	Yes	No	No
7	Winona Senior High	Yes	No	Yes	Yes	Yes
7	Yeshiva of Minneapolis	Yes	Yes	Yes	No	No
7	Zumbrota-Mazeppa Senior High	Yes	No	Yes	Yes	No

Memorandum of Understanding

BETWEEN PARTICIPATING SCHOOLS AND/OR DISTRICTS AND MOUSE, INC.

CONTRACTOR: MOUSE, INC.

NAME OF PROJECT: IT CERTIFICATION IN MINNESOTA SCHOOLS FOR HIGH SCHOOL STUDENTS

CONTRACTOR'S PROJECT MANAGER: JANINE QUIJIJE PHONE: 9646)574-2962 EMAIL: JANINE@MOUSE.ORG
CONTRACTOR'S LEARNING NETWORK MANAGER: JONATHAN CLEMENS EMAIL: JONATHAN@MOUSE.ORG

PERIOD OF PERFORMANCE: START DATE: JANUARY 1, 2016   END DATE: JUNE 30, 2017

THIS MOU WILL BE CONDUCTED PURSUANT TO THE TERMS AND CONDITIONS OF THE AGREEMENT ("AGREEMENT")
SWIFT CONTRACT NO. 103132. DEFINED TERMS USED IN THIS SCOPE OF WORK WILL HAVE THE SAME MEANINGS AS
THOSE ASCRIBED TO SUCH TERMS IN THE AGREEMENT.

MOU: CONTRACTOR WILL PROVIDE THE FOLLOWING GOODS AND SERVICES IN SUPPORT OF MINNESOTA
DEPARTMENT OF EDUCATION'S IT CERTIFICATION IN MINNESOTA SCHOOLS FOR HIGH SCHOOL STUDENTS FOR THE
2016-2017 SCHOOL YEAR:

Products and Services:

1. Unlimited number of educator and student accounts on our learning platform. Our web-based platform
   showcases lessons and projects, and supports learner experiences. Educators and youth connect and
   access content through our web-based learning platform and can also use our Green Tech Lab platform
   independently. Platform highlights include:
   a. Culminating Projects - help learners demonstrate what they have learned.
   b. Progress and Achievement
      - Recognize students' accomplishments with wins and certification badges.
      - Mouse's badges help learners and educators see "21st Century Skills" not as a
        standalone, but as a key to weaving the overall fabric of an expert identity.
      - In fall 2016 Mouse is partnering with Credly for sharable digital badges allowing Mouse
        students the opportunity to share their work in portfolios in platforms like the Common
        Application for college and on social networks.
      - Learners can tag collaborators to co-submit projects.
   c. Step by Step Learning Interface
      - Empowers self-directed exploration and pacing with educator reference material.
      - Educators pick and choose projects and courses for their group using new Playlist
        feature.
      - Tablet and touchscreen friendly responsive design
2. Playlists including 16+ Competency areas. Mouse Playlists allow educators to customize their students'
   learning trajectory by choosing the program model that matches their goals and resources. Educators
   may choose from Mouse recommended Playlists, customize one, or create their own.
   Competency areas help teachers use activities from topics like Design, Information and Media Literacy,
   or Green Tech in their English, Science or other classes.

Courses include:

- Design with Purpose
- Circuitry and Electronics
- Serious Games
- Green Tech

- Web Literacy and Coding
- Intro to Design
- IT Essentials and Admin
- Tech Team

Mouse content may be incorporated in a wide range of classes including:

- A technology class using many Mouse courses over a semester
  Because Mouse's curriculum will now be divided into many content and skills areas, it will be easy to design a semester long class using Mouse projects
- A subject area class using one or more Mouse courses
  In English Language Arts classes adding the Mouse Web Literacy or Intro to Design courses can add 21st century skills to existing curriculum
  In History Classes adding Serious Games or Web Coding courses can bring creative projects like game design or web remixing to existing curriculum.
- Mouse Membership is a site license and we encourage sites to use Mouse courses in as many settings as possible. We think of our curriculum as a technology extension for existing curriculum, allowing educators to easily add technology projects to their classes.

3. Implementation and site support via email, phone and video-conferencing.
4. Participation in national Mouse projects and competitions, including:
   - DIY Project
   - Microprojects
5. Professional Development
   - Mouse shall continue to support Mouse coordinators through web-based trainings, designed to provide them with a comprehensive understanding of Mouse Squad functions to support student learning. If they choose, the Mouse Squad coordinator shall manage and be responsible for the Mouse Squad student-run technology help desk for their school. Devoting several hours per week, the coordinator shall play the most important role in determining the level of success of an individual school and schools should budget their time accordingly. Professional training and curriculum shall prepare teachers to recruit, train, implement and manage the operations of the school student technology support team through web-based workshops, online support materials, and ongoing website support.
   - Orientation of Mouse Educators
     Coaching: Contractor shall support Mouse curriculum: broadening opportunities to engage and continue youth participation over time. Contractor shall provide program access to training on operations, best practices and use of student.
   - Mouse Educator Badge: Serves as an introduction to designing your school's Mouse program; provides an overview of the available activities and recommendations on where to start; provides the tools needed to create a year plan that will make a positive change in the lives of your students.