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H.F. no. 1 Article 6 sec. 11 (165.16), 2015

Information Technology Certification Partnership: Final Report 2016-2017

July 2017

In 2015, the Minnesota State Legislature passed H.F. no. 1 Article 6 sec. 11 (165.16) 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 stimulate student interest in the STEM and IT fields. 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.

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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 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.*

The following report highlights efforts made by Mouse, Inc. to recruit schools, provide Professional Development and training for educators, and implement its curriculum and online learning platform into Minnesota schools from January 2016 through June 2017.

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Program Description

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.

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. The uncertainty regarding sustainability of continued delivery of services. As of the end of this contract, 98 Minnesota schools had signed up for Mouse.

Contractual conditions stipulated that no more than half of the schools served be within the seven county Twin Cities metro area. As such, Mouse focused recruitment efforts on greater Minnesota. Of the 98 schools recruited, 38 are in the Twin Cities metro and 60 are in greater Minnesota (see below).

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 basis 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.

In just over a year's time, Mouse has 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.

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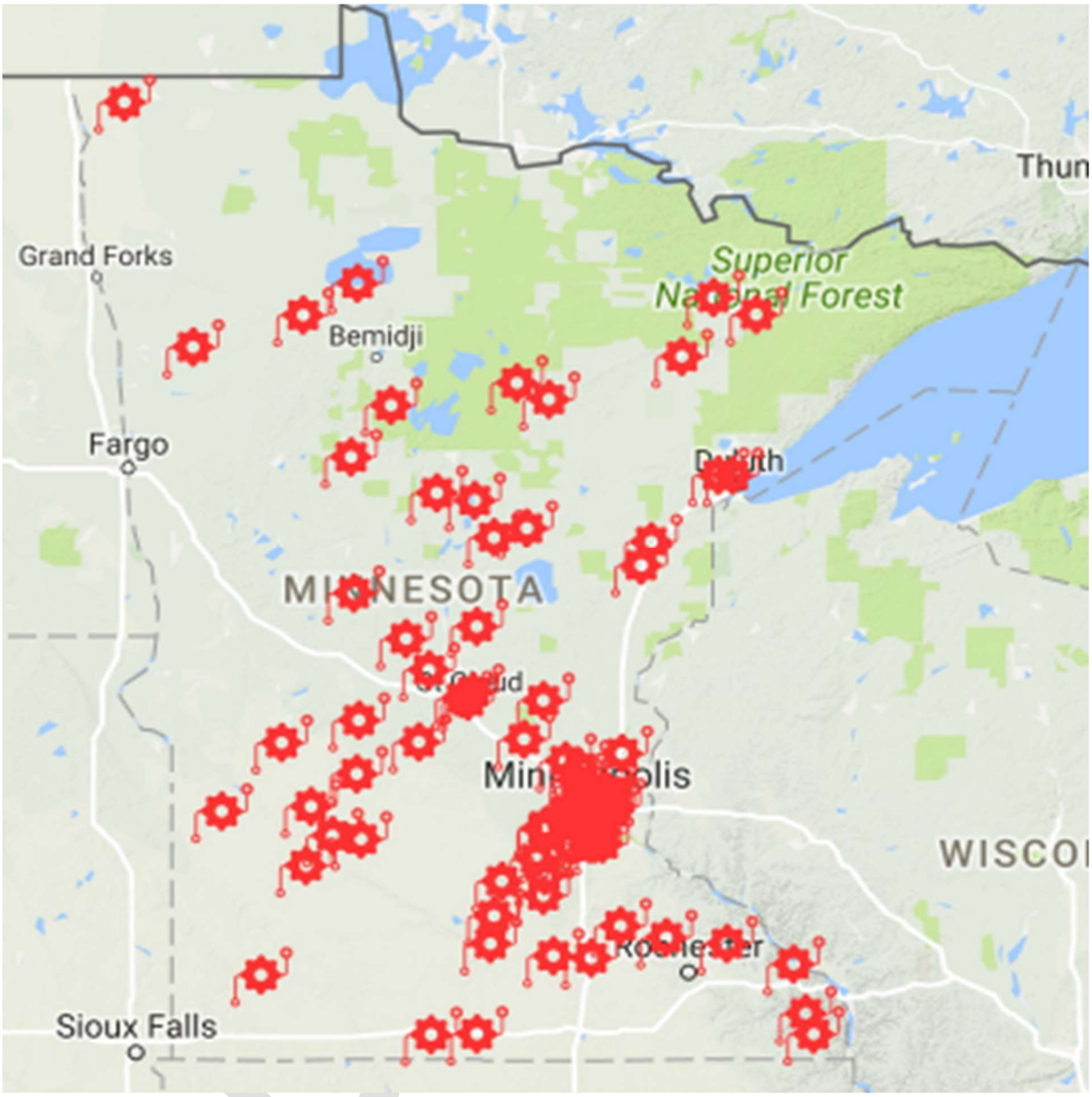

Mouse member schools spanned the length of the state, with 38 schools in the Twin Cities metro and 60 in greater Minnesota.

Below is an alphabetical list of Mouse member schools divided regionally into Metro v. non-Metro.

Table 1: Mouse Member Schools, January 2016 – June 2017

Member Schools (Metro)	City	County
1. AFSA High School	Vadnais Heights	Ramsey
2. Anoka High School	Anoka	Anoka
3. Apple Valley Senior High	Apple Valley	Dakota
4. Avalon School	Saint Paul	Ramsey
5. Brooklyn Center Secondary	Brooklyn Center	Hennepin
6. Burnsville Senior High	Burnsville	Dakota
7. Central Senior High	Saint Paul	Ramsey
8. Chanhassen High School	Chanhassen	Carver
9. Chaska High School	Chaska	Carver
10. Como Park Senior High	Saint Paul	Ramsey
11. Eagan Senior High	Eagan	Dakota
12. Eastview Senior High	Apple Valley	Dakota
13. Fairview Alternative High School	Roseville	Ramsey
14. Forest Lake Senior High	Forest Lake	Washington
15. Great River School	Saint Paul	Ramsey
16. Harding Senior High	Saint Paul	Ramsey
17. Henry Sibley High School	West Saint Paul	Dakota
18. Hiawatha Collegiate High School	Minneapolis	Hennepin
19. Humboldt Secondary School	Saint Paul	Ramsey
20. Jefferson Senior High	Bloomington	Hennepin
21. Jordan Secondary	Jordan	Scott
22. Lionsgate Academy	Crystal	Hennepin
23. Metropolitan Education for Future Employment Charter	Minneapolis	Hennepin
24. Minnesota Online School	Saint Paul	Ramsey
25. New Prague Senior High	New Prague	Scott
26. North Academy Arts/Communication	Minneapolis	Hennepin
27. Northwest Passage High School	Coon Rapids	Anoka
28. Open World Learning Secondary	Saint Paul	Ramsey
29. Park Center High School	Brooklyn Park	Hennepin
30. Perpich Center for Arts Education	Golden Valley	Hennepin
31. Prior Lake High School	Savage	Scott

Member Schools (Metro)	City	County
32. Robbinsdale Armstrong Senior High	Plymouth	Hennepin
33. Rosemount Senior High	Rosemount	Dakota
34. SAGE Academy Charter School	Brooklyn Park	Hennepin
35. Southwest Senior High	Minneapolis	Hennepin
36. Ubah Medical Academy Charter School	Hopkins	Hennepin
37. Washington Tech Secondary Magnet	Saint Paul	Ramsey
38. Watershed High School	Richfield	Hennepin

Member Schools (non-Metro)	City	County
1. Aitkin Secondary School	Aitkin	Aitkin
2. Apollo Senior High	Saint Cloud	Stearns
3. Belgrade-Brooten-Elrosa Sec.	Belgrade	Stearns
4. Benson Secondary	Benson	Swift
5. Big Lake High School	Big Lake	Sherburne
6. Blue Earth Area Secondary	Blue Earth	Faribault
7. BOLD Senior High	Olivia	Renville
8. Caledonia Area High School	Caledonia	Houston
9. Carlton Secondary	Carlton	Carlton
10. CHOICE Technical Academy	Owatonna	Steele
11. Clearbrook-Gonvick Secondary	Clearbrook	Clearwater
12. Crosby-Ironton Secondary	Crosby	Crow Wing
13. Crosslake Community High School	Crosslake	Crow Wing
14. Dawson-Boyd Secondary	Dawson	Lac qui Parle
15. Deer River High School	Deer River	Itasca
16. DREAM Technical Academy	Willmar	Kandiyohi
17. Eagle Valley Secondary	Clarissa	Todd
18. East Range Academy of Tech-Science	Eveleth	Saint Louis
19. ECHO Charter School	Echo	Yellow Medicine
20. Eden Valley-Watkins Secondary	Eden Valley	Meeker
21. Fairmont Jr./Sr. High School	Fairmont	Martin
22. Fertile-Beltrami Secondary	Fertile	Polk
23. Foley Senior High	Foley	Benton
24. Grand Rapids Senior High	Grand Rapids	Itasca
25. Healy Secondary	Pierz	Morrison
26. Hermantown Senior High	Hermantown	Saint Louis
27. Holdingford Secondary	Holdingford	Stearns
28. Houston Secondary	Houston	Houston
29. Hutchinson Senior High	Hutchinson	McLeod

Member Schools (non-Metro)	City	County
30. Infinity Online	Coleraine	Itasca
31. Kato Public Charter School	Mankato	Blue Earth
32. Kenyon-Wanamingo Senior High	Kenyon	Goodhue
33. Lancaster Secondary	Lancaster	Kittson
34. Laporte Secondary	Laporte	Hubbard
35. M.A.C.C.R.A.Y. Senior High	Clara City	Chippewa
36. Minnesota New Country School	Henderson	Sibley
37. Moose Lake Secondary	Moose Lake	Carlton
38. Murray County Central Secondary	Slayton	Murray
39. New London-Spicer High School	New London	Kandiyohi
40. Norman County West Secondary	Halstad	Norman
41. Northeast Range Secondary	Babbitt	Saint Louis
42. Park Rapids Senior High	Park Rapids	Hubbard
43. Pine Island Secondary	Pine Island	Goodhue
44. Pine River-Backus High School	Pine River	Cass
45. Plainview-Elgin-Millville High	Plainview	Wabasha
46. Princeton Senior High	Princeton	Mille Lacs
47. Red Lake Secondary	Red Lake	Beltrami
48. Renville County West Senior High	Renville	Renville
49. Sauk Rapids-Rice Senior High	Sauk Rapids	Benton
50. St. Peter Senior High	Saint Peter	Nicollet
51. Swanville Secondary	Swanville	Morrison
52. Technical Senior High	Saint Cloud	Stearns
53. Tri-City United High School	Montgomery	Le Sueur
54. Vermilion Country School	Tower	Saint Louis
55. Warren-Alvarado-Oslo Secondary	Warren	Marshall
56. Warroad High School	Warroad	Roseau
57. Waseca Senior High	Waseca	Waseca
58. Waubun Secondary	Waubun	Mahnomen
59. Willow River Secondary	Willow River	Pine
60. Winona Senior High	Winona	Winona

Outcomes and Recommendations

Mouse has worked hard to bring engaging, project-driven IT training to students in Minnesota. The response from Minnesota educators using our online learning platform has been overwhelmingly positive. A Belgrade-Brooten-Elrosa Secondary wrote us to say: "We are excited to have this in place… I have been sharing with others and hoping to continue to grow with Mouse!" An AFSA High School teacher told us: "My students have been loving the activities. Thank you so much for providing this curriculum for them." A Renville County West Senior High teacher stated: "The kids enjoy the projects which is great!" Mouse has seen growing local excitement in Minnesota and is proud of our efforts.

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 needed more time to fully integrate our projects into their classrooms. For example, a Fairmont Senior High teacher explained that he had difficulty implementing Mouse because he was "in need of catching up on training and certification." A Red Lake Secondary teacher said that he didn't have time to integrate Mouse into his computer design class for the 2016-2017 school year, but: "I intend to use (Mouse's) program in that class next time I offer it." Many schools signed up in the fall or even early spring and have just gotten started using Mouse's educational content. A few, such as Anoka High School and Henry Sibley High School, have used access to our online learning platform 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. A Jordan Secondary school teacher reported in January 2017: "We have not used (Mouse) yet. Our tech teacher… is swamped and has not had a chance to dig into it." A teacher at Hiawatha Collegiate High School similarly reported that "my science team just hasn't had the capacity" to offer Mouse courses "this year." Others cited concerns over the short length and uncertainty of our 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 to establish a program and four 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 is committed to Minnesota educators and students. We have offered complimentary memberships to fifty Minnesota schools who have demonstrated high engagement and/or a pressing need for IT & 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

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include a Mouse membership in future budget planning.

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Mouse, Inc. IT Certification in Minnesota Schools for High School Students Overview and Accomplishments

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

Deliverable A

Contractor Duties:

A. *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 3 online courses for coordinators.
3. See Table 2: Training events
See Table 3: Resource Kits Provided
4. AEC, our formal evaluator that we partner with, conducted evaluative surveys in April and May of 2017. The results of this evaluation will be made available to MDE by August of 2017.
5. See Table 1: Mouse 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.

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i. 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.
ii. Mouse conducted additional targeted recruitment from May 2016 to January 2017 based.
iii. Total recruitment emails sent: 4,573
iv. Total recruitment calls made: 177
v. Additional recruiting efforts were made at 20 local education events and conferences. See Table 4: Additional Introductory and Recruitment Efforts

a. Mouse member schools in the 7 county Twin Cities Metro Area: 38
   1. Anoka: 2
   2. Carver: 2
   3. Dakota: 6
   4. Hennepin: 13
   5. Ramsey: 11
   6. Scott: 3
   7. Washington: 1

b. Mouse member schools in greater Minnesota: 60
   1. Aitkin: 1
   2. Beltrami: 1
   3. Benton: 2
   4. Blue Earth: 2
   5. Carlton: 2
   6. Cass: 1
   7. Chippewa: 1
   8. Clearwater: 2
   9. Crow Wing: 2
   10. Faribault: 1
   11. Goodhue: 2
   12. Houston: 2
   13. Hubbard: 2
   14. Itasca: 3
   15. Kandiyohi: 2
   16. Kittson: 1
   17. Lac qui Parle: 1
   18. Le Sueur: 1
   19. Mahnomen: 1
   20. Marshall: 1
   21. Martin: 1
   22. McLeod: 1
   23. Meeker: 1
   24. Mille Lacs: 1
   25. Morrison: 2
   26. Murray: 1
   27. Nicollet: 1
   28. Norman: 1
   29. Pine: 1
   30. Polk: 1
   31. Roseau: 1
   32. Saint Louis: 4
   33. Sherburne: 1
   34. Sibley: 1
   35. Stearns: 4
   36. Steel: 1
   37. Swift: 1
   38. Wabasha: 1
   39. Waseca: 1
   40. Winona: 1
   41. Yellow Medicine: 1

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Deliverable B

Contractor Duties

B. 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% 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).
   See: Table 3: Resource Kits Provided
2. Mouse offered in-person or video chat on-boarding 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, we trained/onboarded 49 sites within the MDE contract.
    - Introductions and offers for support made: 776 primarily via email
3. 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.
4. 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.
   See Table 2: Training Events
5. Additional PD Opportunities:
   Mouse Create Con - 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

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- Networking opportunities for educators

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

Additional training events are listed in Table 2: Training Events

Deliverable C

Contractor Duties:

C. 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:

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.

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.

- Courses Offered: (badges available listed under each course heading)
  - Design with Purpose
    - Human-Centered Design
    - User Interviews
    - Brainstorm
    - Empathy
    - Synthesize
    - Prototyping
    - Iteration
    - Pitch & Publish
  - Circuitry & Electronics

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        - Analog Circuits
        - Arduino Circuits
        - Circuit Design
    - Serious Games
        - Game Designer
        - Scratch Developer
        - Game Activist
    - Green Tech
        - Making Electricity
        - Renewable Energy
        - Powering Change
    - Web Literacy & Coding
        - Web Privacy
        - Web Security
        - Web Citizen
        - HTML & CSS
        - JavaScript
    - Intro to Design
        - Graphic Design
        - 3D Design
    - IT Essentials & Admin
        - Operating Systems
        - Programming
        - Apps & Software
        - Communicator
        - Team Builder
    - Tech Team
        - Fixer
        - Networks
        - Hardware

Deliverable E

Contractor Duties:

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

1. *All accessibility requirements shall comply with Section 508 and WCAG (Web Content Accessibility Guidelines) 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% 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*

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Statutes, section 120B.021 or 120B.022.

Actions/Activities:

1. Throughout this contract, Mouse has worked to update its content to align with the 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 e-mail.
    b. School signs-up.
    c. "Welcome to Mouse" e-mail 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 e-mail 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 e-mails 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 Table 6: 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:

F. 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:

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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. We estimate the actual number of students involved in Mouse in Minnesota to 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 Table 6: Recruitment and Training Engagement

Deliverable G

Contractor Duties:

G. 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:

H. 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 Table 5: Meetings to Establish Meaningful Connections with organizations in Minnesota.

Deliverable I

Contractor Duties:

I. 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

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Deliverable J

Contractor Duties:

J. Provide final report on effectiveness of the contract no later than June 1, 2017, to allow for review and approval of MDE.

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.

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Table 2: Training Events

Mouse_Minnesota offered training events to member schools to introduce educators to our updated learning platform, demo a few learning activities, provides pedagogical recommendations and discusses possible methods of implementation based on the specific needs, technological capabilities, and goals of the member school.

Host School	Schools in Attendance	Educators Trained
1. Project SOCRATES (9/13/16)	*2 Schools Attended:* ● Blue Earth Area Secondary	*4 Educators Trained:* ● 2 Educators
	● Tri-City United High School	● 2 Educators
2. BOLD High School (9/14/16)	*3 Schools Attended:* ● BOLD Senior High	*7 Educators Trained:* ● 4 Educators
	● ECHO Charter School	● 2 Educators
	● M.A.C.C.R.A.Y. Senior High	● 1 Educator
3. Watershed High School (9/15/16)	*2 Schools Attended (1 outside of MDE contract):* ● Watershed High School	*3 Educators Trained (2 outside of MDE contract):* ● 1 Educator
	● LoveWorks Academy (K-8)	● 2 Educators
4. Como Park Senior High (9/16/16)	*6 Schools Attended:* ● Avalon School	*8 Educators Trained:* ● 2 Educators
	● Central Senior High	● 1 Educator

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Host School	Schools in Attendance	Educators Trained
	● Como Park Senior High School	● 1 Educator
	● Forest Lake Area Senior High School	● 2 Educators
	● Harding Senior High School	● 1 Educator
	● Minnesota Online High School	● 1 Educator
5. Sauk Rapids-Rice High School (9/19/16)	*4 Schools Attended:* ● Belgrade Brooten Elrosa High School	*7 Educators Trained:* ● 2 Educators
	● Healy Secondary	● 1 Educator
	● Little Falls Senior High	● 1 Educator
	● Sauk Rapids-Rice Senior High	● 3 Educators
6. Grand Rapids High School (9/22/16)	*4 Schools Attended (1 outside of MDE contract):* ● Clearbrook-Gonvick Secondary	*7 Educators Trained (1 outside of MDE contract):* ● 1 Educator
	● Deer River High School	● 3 Educators
	● Grand Rapids High School	● 2 Educators

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Host School	Schools in Attendance	Educators Trained
	● Duluth Edison Charter Schools (Middle)	● 1 Educators
7. Moose Lake Secondary (9/22/16)	*2 Schools Attended:* ● Moose Lake Secondary	*2 Educators Trained:* ● 1 Educator
	● Pine River-Backus High School	● 1 Educator
8. Burnsville High School (9/28/16)	*3 Schools Attended:* ● AFSA High School	*3 Educators Trained:* ● 1 Educator
	● Apple Valley Senior High	● 1 Educator
	● Burnsville High School	● 1 Educator
9. Humboldt Secondary (9/28/16)	*1 School Attended:* ● Academy of Information Technology at Humboldt Secondary	*12 Educators Trained*
Humboldt Secondary (11/15/16)	● Humboldt Secondary	*8 Educators Trained*
10. Southwest High School (10/13/16)	*1 School Attended:* ● Southwest High School	*4 Educators Trained*

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Host School	Schools in Attendance	Educators Trained
11. Lionsgate Academy (10/24/16)	*1 School Attended:* ● Lionsgate Academy	*4 Educators Trained*
12. St. Paul Conservatory for Performing Arts (10/12/16)	*1 School Attended:* ● St. Paul Conservatory for Performing Arts	*5 Educators Trained*
13. CHOICE Technical Academy (8/26/16)	*1 School Attended:* ● CHOICE Technical Academy	*1 Educator Trained*
14. Kenyon-Wanamingo Secondary (8/24/16)	*1 School Attended:* ● Kenyon Wanamingo Secondary	*1 Educator Trained*
15. Big Lake High School (11/2/16)	*1 School Attended:* ● Big Lake High School	*1 Educator Trained*
16. Metropolitan Education for Future Employment (11/3/16)	*1 School Attended:* ● Metropolitan Education for Future Employment	*12 Educators Trained*
17. Jefferson High School (11/17/16)	*1 School Attended:* ● Jefferson High School	*2 Educators Trained*
18. Eastview High School (1/17/17)	*1 School Attended:* ● Eastview High School	*1 Educator Trained*
19. Harding Senior High (1/19/17)	*1 School Attended:* ● Harding Senior High	*1 Educator Trained*
20. Park Center Senior High (2/7/17)	*1 School Attended:* ● Park Center Senior High	*1 Educator Trained*

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Host School	Schools in Attendance	Educators Trained
21. DREAM Technical Academy (2/14/17)	*1 School Attended:* ● DREAM Technical Academy	*2 Educators Trained*
22. New London-Spicer High School (2/14/17)	*1 School Attended:* ● New London-Spicer High School	*6 Educators Trained*
23. North Community High School (2/17/17)	*1 School Attended:* ● North High School	*3 Educators Trained*
North Community High School (6/12/17)	*1 Schools Attended:* ● North Community High School	*2 Educators Trained*
24. Perpich Center for Arts Education (3/7/17)	*1 School Attended:* ● Perpich Center for Arts Education	*5 Educators Trained*
25. Fairview Alternative High School (3/27/17)	*1 School Attended:* ● Fairview Alternative High School	*1 Educator Trained*
26. LoveWorks Academy (3/28/17)	*1 School Attended:* ● LoveWorks Academy	*1 Educator Trained*
27. Mouse_Minnesota Educators Conference (4/10/17)	*19 Schools Attended:* ● Belgrade Brooten Elrosa High School	*1 Educator Trained*
	● Burnsville Senior High	*1 Educator Trained*
	● Caledonia Area High School	*1 Educator Trained*

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Host School	Schools in Attendance	Educators Trained
	• Eastview Senior High	*1 Educator Trained*
	• Jordan Secondary	*1 Educator Trained*
	• Moose Lake Secondary	*1 Educator Trained*
	• Deer River High School	*1 Educator Trained*
	• Avalon School	*1 Educator Trained*
	• Tri-City United High School	*1 Educator Trained*
	• Open World Learning Secondary	*1 Educator Trained*
	• CHOICE Technical Academy	*1 Educator Trained*
	• Harding Senior High School	*1 Educator Trained*
	• Metropolitan Education for Future Employment	*2 Educators Trained*
	• Sauk Rapids-Rice Senior High	*1 Educator Trained*

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Host School	Schools in Attendance	Educators Trained
	● Minnesota Online High School	*2 Educators Trained*
	● Northwest Passage High School	*1 Educator Trained*
	● Big Lake High School	*1 Educator Trained*
	● Hutchinson Senior High	*1 Educator Trained*
	● Perpich Center for Arts Education	*1 Educator Trained*
28. Caledonia Mouse Student Conference (5/5/17)	*3 Schools Attended:* ● Caledonia Area High School	*1 Educator Trained*
	● Houston Secondary	*1 Educator Trained*
	● Winona Senior High	*1 Educator Trained*
30. Northwest Passage High School (6/12/17)	*1 Schools Attended:* ● Northwest Passage High School	*15 Educators Trained*

The following schools have participated in a remote video call training session:

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Host School	Schools in Attendance	Educators Trained
1) Crosby-Ironton Secondary (9/1/16)	*1 School Attended:* ● Crosby-Ironton Secondary	*4 Educators Trained*
2) Caledonia High School (10/3/16)	*1 School Attended:* ● Caledonia High School	*4 Educators Trained*
3) Lancaster Secondary (10/5/16)	*1 School Attended:* ● Lancaster Secondary	*1 Educator Trained*
4) New Prague Area Schools (11/8/16)	*1 School Attended:* ● New Prague Senior High	*3 Educators Trained*
5) Crosslake Community High School (1/12/17)	*1 School Attended:* ● Crosslake Community High School	*1 Educator Trained*
Total Sites Hosting Training Sessions: 35	Total School Attendance: 74	Coordinators Trained: 166

Table 3: Resource Kits Provided to Member Schools

Kit Type (#)	Sent To
Welcome kits sent: 98 Kits include: ● General instructions for accessing the new Mouse Create platform ● 25 Student lanyards ● 2 Educator lanyards ● 27 ID card holders with inserts ● 25 Sticker sheets ● 3 Posters ● 25 Mouse Buttons ● 1 Set of Torx Screwdrivers	Welcome kits are sent to all Mouse member schools and come standard with a Mouse membership. 98 kits sent

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Kit Type (#)	Sent To
● 5 8GB USB Drives ● Materials for the following activities: ○ "DIY Turbine" Project (Green Tech Course) ○ "Light-up Creature" Project (Garage Robotics Course) ○ "Human Circuit" Activity (Garage Robotics Course)	
Green Tech Kits sent: 16 Kits include general materials to complete activities from the Green Tech Course: ● 3 Watt Meters ● 1 10oz. Canister of Activated Carbon ● 4 Rolls of Enameled Copper Wire ● 10-pack LEDs ● 2 10-packs of Alligator Clips ● 2 Digital Multimeters ● 6 AA NiMH Rechargeable Batteries ● 5 Hobby Motors ● A Roll of Aluminum Foil ● 5 16oz. Bottles of Vinegar ● 5 Neodymium Disc Magnets (1"x1/4") ● 5 Film Canisters	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. The following schools received a Green Tech Kit: 1. Aitkin Public Schools 2. Avalon School 3. Belgrade Brooten Elrosa Secondary 4. Big Lake High School 5. Caledonia Area High School 6. Crosby-Ironton Secondary 7. Crosslake Community School 8. Deer River High School 9. East Range Academy of Tech Science 10. Eden Valley-Watkins Secondary 11. Great River School 12. Harding Senior High 13. Moose Lake Secondary 14. Northeast Range Secondary 15. Prior Lake High School 16. Watershed High School

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Table 4: Additional Introductory and Recruitment Efforts

Dates	Effort 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 Info Session Mass Invite
5/10/16	MDE Info Session Personal Invites
5/16/16	MDE Info Session Personal Invites 1st Follow-up
6/8/16	MDE Info 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	MN 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

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Dates	Effort 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 Info Sessions have been offered to further introduce schools to Mouse before signing on as member schools. 89% of schools who attended an info session signed up for Mouse.

Site Hosting Info Session
1. AFSA High School 2. Aitkin Secondary 3. Anoka High School 4. Apollo Senior High 5. Apple Valley Senior High 6. Avalon School 7. Belgrade-Brooten-Elrosa Secondary 8. Benson Secondary 9. Big Lake High School 10. Bloomington Career & College Academy 11. Blue Earth Area Secondary 12. BOLD Senior High 13. Brooklyn Center Secondary 14. Burnsville Senior High 15. Caledonia Senior High 16. Carlton Secondary 17. Central Senior High 18. Chanhassen high School 19. Chaska High School 20. CHOICE Technical Academy 21. Clearbrook-Gonvick Secondary 22. Como Park Senior High 23. Community of Peace Academy 24. Crosby-Ironton Secondary

Site Hosting Info Session
25. Crosslake Community High School 26. Dawson-Boyd Secondary 27. Deer River High School 28. DREAM Technical Academy 29. Eagan Senior High 30. Eagle Valley Secondary 31. East Range Academy of Tech-Science 32. Eastview Senior High 33. ECHO Charter School 34. Eden Valley-Watkins Secondary 35. Fairmont Jr./Sr. High School 36. Fairview Alternative High School 37. Fertile-Beltrami Secondary 38. Forest Lake Senior High 39. Grand Rapids Senior High 40. Great River School 41. Harding Senior High 42. Healy Secondary 43. Henry Sibley High School 44. Hermantown Senior High 45. Hiawatha Collegiate High School 46. Holdingford Secondary 47. Houston Secondary 48. Humboldt Secondary School

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Site Hosting Info Session
49. Hutchinson Senior High 50. Infinity Online 51. Jefferson Senior High 52. Jordan Secondary 53. Kato Public Charter School 54. Kennedy Senior High 55. Kenyon-Wanamingo Senior High 56. Laporte Secondary 57. Lancaster Secondary 58. Le Sueur-Henderson High School 59. Lincoln Secondary (Esko) 60. Lionsgate Academy 61. M.A.C.C.R.A.Y. Senior High 62. Main Street School of Performing Arts 63. Medford Secondary 64. Metropolitan Education for Future Employment Charter 65. Minnesota New Country School 66. Minnesota Online School 67. Moose Lake Secondary 68. Mounds View Senior High 69. Murray County Central Secondary 70. New London-Spicer High School 71. New Prague Area Schools 72. Norman County West 73. North Academy of Arts & Communications 74. Northeast Range Secondary 75. North Lakes Academy 76. Northwest Passage High School 77. Open World Learning Secondary 78. Park Center Senior High 79. Park Rapids Senior High 80. Perpich Center for Arts Education

Site Hosting Info Session
81. Pine Island Secondary 82. Pine River-Backus High School 83. Plainsview-Elgin-Millville High 84. Princeton Senior High 85. Prior Lake High School 86. Red Lake Secondary 87. Renville County West Senior High 88. Robbinsdale Armstrong Senior High 89. Robbinsdale Cooper Senior High 90. Rosemount Senior High 91. SAGE Academy Charter School 92. Saint Clair Secondary 93. Saint Paul Conservatory for the Performing Arts 94. Sauk Rapids-Rice Senior High 95. Southwest Senior High 96. St. Peter Senior High 97. Swanville Secondary 98. Technical Senior High 99. Tri-City United High School 100. Ubah Medical Academy Charter School 101. Vermilion Country School 102. Warren-Alvarado-Oslo Secondary 103. Warroad High School 104. Waseca Senior High 105. Washington Tech Secondary Magnet 106. Watershed High School 107. Waubun Secondary 108. Willow River Secondary 109. Winona Senior High 110. Zumbrota-Mazeppa Senior High

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

Site (Date)
1. St. Paul Conservatory for the Performing Arts (9/23/16) 2. Kennedy Senior High (9/27/16) 3. Bloomington Career & College Academy (9/28/16) 4. Burnsville High School (9/28/16) 5. Jefferson Senior High (9/30/16) 6. Main Street School of Performing Arts (10/4/16) 7. Southwest Senior High (10/7/16) 8. SAGE Academy (10/7/16) 9. St. Paul Conservatory for the Performing Arts (10/12/16) 10. Southwest Senior High (10/13/16) 11. Jefferson Senior High (10/17/16) 12. Metropolitan Education for Future Employment Charter (10/18/16) 13. Robbinsdale Cooper Senior High (11/11/16) 14. Perpich Center for Arts Education (11/23/16) 15. Mounds View Senior High (12/5/16) 16. Anoka High School (3/1/17) 17. Fairview Alternative High School (3/27/17)

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Table 5: Meetings to Establish Meaningful Connections with Organizations in Minnesota

Meetings with Minnesota Organizations - All meetings were either recommended by the Minnesota Department of Education or the result of a previous contact.

Organization	Date(s)	Organization Representative	Mouse Representative(s)
1. Glitch	5/19/16	Nicolaas VanMeerten	Jonathan Clemens
2. Best Buy Teen Tech Centers	6/6/16	Will Woodworth	Jonathan Clemens
3. Geek Squad	6/6/16	Will Woodworth	Jonathan Clemens
4. World Savvy	6/14/16	Ken Simon	Jonathan Clemens
	10/31/16	Ken Simon; Mallory Wessel; Jim Zachinni	Daniel Rabuzzi; Jonathan Clemens
5. Best Buy Foundation	6/17/16	Deb Morris	Jonathan Clemens
	11/1/16		Daniel Rabuzzi; Janine Quijije
6. Generation Next	6/29/16	John Miller	Jonathan Clemens
7. Teen Tech Tours	7/13/16	Anna Peterson	Jonathan Clemens
8. Minnesota High Tech Association	7/27/16		Jonathan Clemens
	10/31/16	Tim Barrett	Daniel Rabuzzi; Janine Quijije; Jonathan Clemens
9. Advance IT Minnesota	8/17/16		Jonathan Clemens
	10/31/16	Russ Fraenkel; Wilson Garland	Daniel Rabuzzi; Jonathan Clemens

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Organization	Date(s)	Organization Representative	Mouse Representative(s)
10. High Tech Kids	8/16/16		Jonathan Clemens
	11/1/16	Cheryl Moeller	Daniel Rabuzzi; Jonathan Clemens
11. IT Pipeline	8/17/16	Heather McGannon	Jonathan Clemens
12. Best Prep	8/23/16	Bonnie Vagasky	Jonathan Clemens
13. Project Lead the Way	8/23/16	Sonya McNamara	Jonathan Clemens
14. Code Savvy	8/25/16	Jean Weiss	Jonathan Clemens
15. Minnesota Independent School Forum	8/26/16	Michelle Ponsolle	Jonathan Clemens
16. Andamio Games	9/7/16	Adam Gordon	Jonathan Clemens
17. Academy of Information Technology (Saint Paul Public Schools)	9/28-9/29/16	Hannah Chan	Jonathan Clemens
18. Educelerate North	10/4/16		Jonathan Clemens
19. TIES	10/20/16	Mary Mehsikomer	Jonathan Clemens
20. Youthprise	10/31/16	Marcus Pope	Daniel Rabuzzi
21. 3M Gives	11/1/16	Jacqueline L. Berry; Matthew Ladhoff	Daniel Rabuzzi; Janine Quijije

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Table 6: 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 to Info Sessions through the summer of 2016.

A new round of recruitment, beyond initial emails to all schools, began individual school outreach. 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 Metro region to in-person informational meetings with our Minnesota-based Learning Network Manager, or Info 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.

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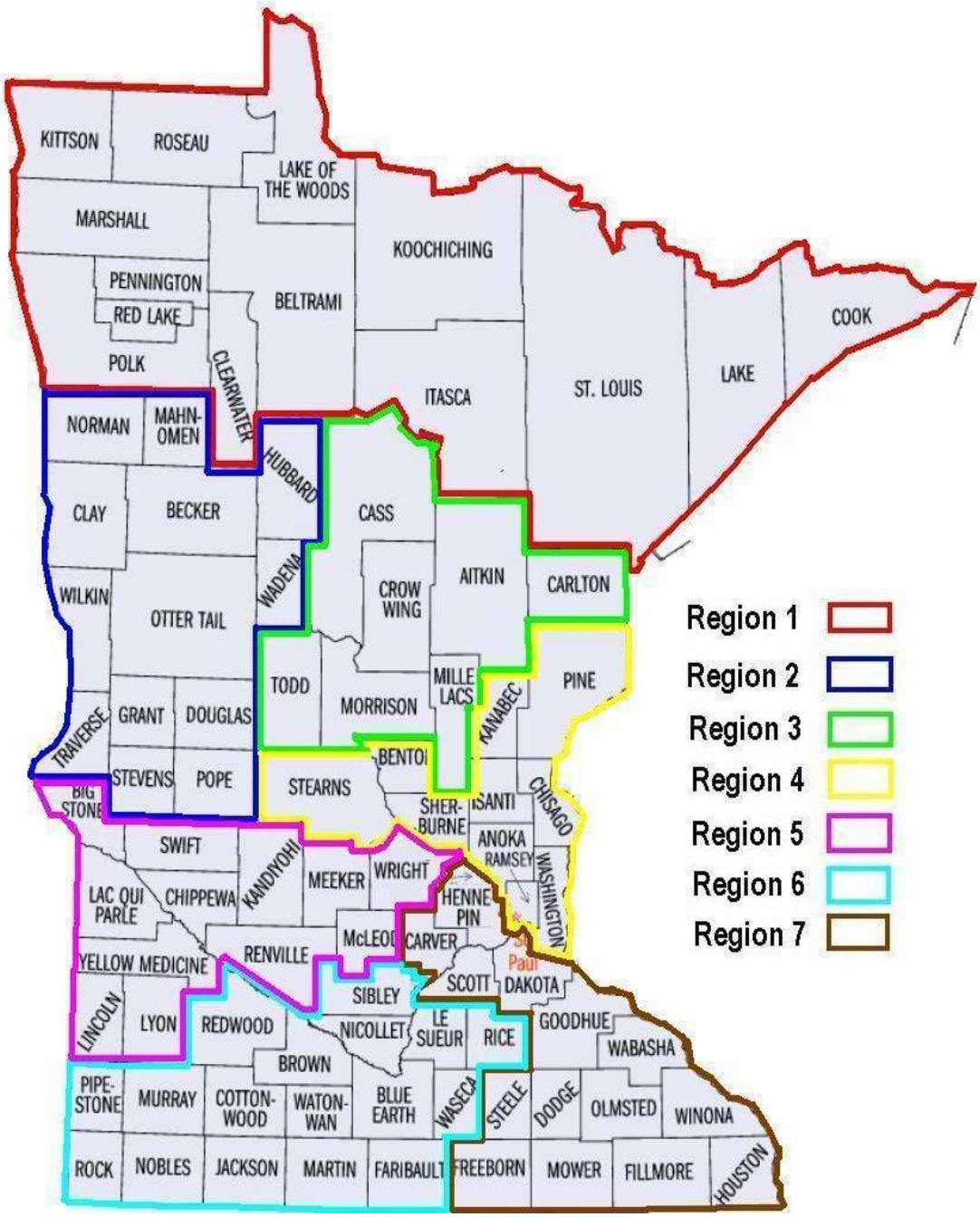
Map of Minnesota regions:



Go to Region 1
Go to Region 2
Go to Region 3
Go to Region 4
Go to Region 5
Go to Region 6

Go to Region 7

Region 1 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Badger Secondary	X	X	X	N	O	
Bagley Secondary	X	X	X	N	O	
Bemidji Senior High	X	X	X	N	O	
Bigfork Secondary	X		X	I	X	
Blackduck Secondary	X	X	X	N	O	
Cherry Secondary	X	X	X	N	O	
Chisholm Secondary	X	X	X	N	O	
Clearbrook-Gonvick Secondary	X		X	I	X	X
Climax Secondary	X	X	X	N	O	
Cook County Senior High	X	X	X	I	O	
Crookston Secondary	X	X	X	N	O	
Deer River High School	X		X	I	X	X
Denfeld High School	X	X	X	N	O	
Duluth Edison Charter School (Middle School)	X		X	I	X	X
East Grand Forks Senior High	X	X	X	N	O	
East High School	X	X	X	N	O	
East Range Academy of Tech-Science	X		X	I	X	O
Eveleth-Gilbert Senior High	X	X	X	N	O	
Falls Secondary	X	X	X	N	O	
Fertile-Beltrami Secondary	X		X	I	X	O
Fisher Secondary	X	X	X	N	O	
Floodwood Secondary	X	X	X	N	O	
Fosston Secondary	X	X	X	N	O	
Goodridge Secondary	X	X	X	N	O	
Grand Rapids Senior High	X		X	I	X	X
Greenbush-Middle River Senior High	X	X	X	N	O	
Greenway Senior High	X		X	I	X	
Grygla Secondary	X	X	X	I	O	
Harbor City International Charter	X	X	X	N	O	
Hermantown Senior High	X		X	I	X	O
Hibbing High	X	X	X	N	O	
Indus Secondary	X		X	I	X	O
Kelley Secondary	X	X	X	N	O	

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Region 1 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Kelliher Secondary	X	X	X	N	O	
Kittson Central Secondary	X	X	X	N	O	
Lafayette Secondary	X	X	X	I	O	
Lake of The Woods Secondary	X		X	I	O	
Lancaster Secondary	X		X	I	X	X
Lincoln Senior High	X	X	X	N	O	
Littlefork-Big Falls Secondary	X	X	X	N	O	
Marshall County Central High	X	X	X	N	O	
Memorial High School	X	X	X	N	O	
Mesabi East Secondary	X			X	O	
Mountain Iron-Buhl Secondary	X	X	X	N	O	
Nashwauk Secondary	X		X	I	X	
North Woods Secondary	X	X	X	N	O	
Northeast Range Secondary	X		X	I	X	O
Northern Lights Community School	X		X	I	X	
Northome Secondary	X			X	O	
Proctor Senior High	X	X	X	I	O	
Red Lake County Central High School	X		X	I	O	
Red Lake Secondary	X		X	I	X	O
Roseau Secondary	X	X	X	N	O	
South Ridge Secondary	X	X	X	N	O	
Stephen Senior High	X	X	X	N	O	
TrekNorth High School	X	X	X	N	O	
Tri-County Secondary	X	X	X	N	O	
Two Harbors Secondary	X	X	X	N	O	
Vermilion Country School	X		X	I	X	O
Virginia Secondary	X	X	X	N	O	
Voyageurs Expeditionary School	X	X	X	N	O	
Warren-Alvarado-Oslo Secondary	X	X	X	I	X	O
Warroad High School	X	X	X	N	O	O
Win-E-Mac Secondary	X	X	X	N	O	

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Region 2 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Ada-Borup Secondary	X	X	X	I	O	
Alexandria Area High School	X	X	X	N	O	
Ashby Secondary	X	X	X	I	O	
Barnesville Secondary	X	X	X	I	O	
Battle Lake Secondary	X	X	X	N	O	
Brandon-Evansville High School	X	X	X	N	O	
Breckenridge Senior High	X	X	X	N	O	
Campbell-Tintah Secondary	X	X	X	N	O	
Chokio-Alberta Secondary	X	X	X	N	O	
Detroit Lakes Senior High	X	X	X	N	O	
Dilworth-Glyndon-Felton Senior High	X	X	X	N	O	
Frazee Secondary	X	X	X	N	O	
Hancock Sec.	X	X	X	N	O	
Hawley Secondary	X	X	X	N	O	
Henning Secondary	X	X	X	N	O	
Herman Secondary	X	X	X	N	O	
Kennedy High School	X	X	X	N	O	
Lake Park Audubon Secondary	X	X	X	N	O	
Laporte Secondary	X	X	X	I	X	O
Mahnomen Secondary	X	X	X	N	O	
Menahga Secondary	X	X	X	N	O	
Minnewaska Secondary	X	X	X	N	O	
Moorhead High School	X	X	X	N	O	
Morris Area Secondary	X	X	X	N	O	
Nevis Secondary	X	X	X	N	O	
New York Mills Secondary	X	X	X	N	O	
Norman County East Secondary	X	X	X	N	O	
Norman County West Secondary	X	X	X	N	O	O
Osakis Secondary	X	X	X	N	O	
Park Rapids Senior High	X	X	X	I	X	O
Parkers Prairie Secondary	X	X	X	N	O	
Pelican Rapids Secondary	X	X	X	N	O	
Perham Senior High	X	X	X	N	O	
Rothsay Secondary	X	X	X	N	O	

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Region 2 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Ulen-Hitterdal Secondary	X	X	X	N	O	
Underwood Secondary	X	X	X	N	O	
Verndale Secondary	X		X	N	O	
Wadena-Deer Creek Senior High	X	X	X	N	O	
Waubun Secondary	X	X	X	N	O	O
West Central Area Sec.	X	X	X	N	O	
Wheaton Secondary	X	X	X	N	O	

Region 3 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Aitkin Secondary School	X		X	I	X	O
Barnum Secondary	X	X	X	I	X	
Bertha Secondary	X		X	N	O	
Brainerd Senior High	X		X	I	O	
Browerville Secondary	X		X	N	O	
Carlton Secondary	X	X	X	N	O	O
Cass Lake-Bena Secondary	X	X	X	N	O	
Cloquet Senior	X	X	X	N	O	
Cromwell-Wright Secondary	X	X	X	N	O	
Crosby-Ironton Secondary	X		X	I	X	X
Crosslake Community High School	X		X	I	X	X
Eagle Valley Secondary	X			I	X	
Healy Secondary	X		X	I	X	X
Hill City Senior High	X	X	X	N	O	
Isle Secondary	X		X	N	O	
Lincoln Secondary	X	X	X	I	X	
Little Falls Senior High	X		X	I	X	X
Long Prairie-Grey Eagle Secondary School	X		X	N	O	
McGregor Secondary	X	X	X	N	O	
Milaca Secondary High	X		X	I	O	
Moose Lake Secondary	X		X	I	X	X
Northland Secondary	X		X	I	O	
Onamia Secondary	X		X	N	O	
Pequot Lakes Senior High	X		X	I	O	

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Region 3 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Pillager Area Charter School	X	X	X	N	O	
Pillager Senior High School	X			X	O	
Pine River-Backus High School	X		X	I	X	X
Princeton Senior High	X		X	I	X	O
Royalton High School	X		X	N	O	
Staples-Motley Senior High	X		X	N	O	
Swanville Secondary	X		X	I	X	O
Upsala Secondary	X		X	N	O	
Walker-Hackensack-Akeley Sec.	X	X	X	N	O	
Wrenshall Secondary	X		X	I	O	

Region 4 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
AFSA High School	X	X	X	I	X	X
Albany Senior High	X		X	N	O	
Andover High School	X		X	N	O	
Anoka High School	X		X	N	I	X
Apollo Senior High	X		X	I	X	O
Assessment Center Sec	X	X	X	N	O	
Avalon School	X		X	I	X	X
Aware	X		X	N	O	
Becker Senior High	X		X	N	O	
Belgrade-Brooten-Elrosa Sec.	X		X	I	X	X
Big Lake High School	X		X	I	X	X
Blaine High School	X		X	N	O	
Braham Area Secondary	X		X	N	O	
Cambridge-Isanti High School	X		X	N	O	
Centennial High School	X		X	N	O	
Central Senior High	X		X	I	X	X
Chisago Lakes Senior High	X		X	N	O	
City Academy	X	X	X	N	O	
Columbia Heights Senior High	X		X	I	O	
Community of Peace Academy Sec.	X	X	X	I	X	
Como Park Senior High	X		X	I	X	X

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Region 4 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Coon Rapids High School	X		X	I	O	
Creative Arts Secondary School	X			X	O	
East Central Senior Secondary	X		X	N	O	
Elk River Senior High	X		X	N	O	
Face to Face Academy	X	X	X	N	O	
Fairview Alternative High School				I	X	X
Foley Senior High	X		X	I	I	O
Forest Lake Senior High	X		X	I	X	X
Fridley Senior High	X		X	I	O	
Great River School	X		X	I	X	O
Harding Senior High	X		X	I	X	X
High School for Recording Arts	X	X	X	N	O	
Highland Park Senior High	X	X	X	I	X	
Hinckley-Finlayson Secondary	X		X	N	O	
Hmong College Prep Academy HS	X	X	X	N	O	
Holdingford Secondary	X		X	I	X	O
Humboldt Secondary School	X	X	X	I	X	X
Irondale Senior High	X	X	X	N	O	
Jennings Experiential High School	X	X	X	N	O	
Johnson Senior High	X	X	X	I	X	
Kimball Secondary	X		X	N	O	
Lighthouse School	X		X	N	O	
Mahtomedi Senior High	X		X	I	O	
Math and Science Academy	X		X	N	O	
Melrose Secondary	X		X	N	O	
Minnesota Online School	X		X	I	X	X
Mora Secondary	X		X	N	O	
Mounds View Senior High	X		X	I	X	
North Branch Senior High	X		X	N	O	
North Lakes Academy	X		X	I	X	
North Senior High	X	X	X	X	O	
Northwest Passage High School	X	X	X	I	X	X
Nova Classical Academy	X	X	X	N	O	

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Region 4 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Upper School						
Ogilvie Secondary	X		X	N	O	
Open World Learning Secondary	X		X	I	X	O
PACT Charter Secondary	X		X	N	O	
Paladin Career and Technical High School	X		X	N	O	
Park Senior High	X		X	N	O	
Paynesville Area High School	X		X	N	O	
Pine City Secondary	X		X	N	O	
Rivers Edge Academy	X	X	X	N	O	
Rocori Senior High	X		X	N	O	
Roseville Area Senior High	X	X	X	N	O	
Rush City Secondary	X		X	N	O	
Sartell Senior High	X		X	N	O	
Sauk Centre Secondary	X		X	N	O	
Sauk Rapids-Rice Senior High	X		X	I	X	X
Secondary Technical Education Program	X	X	X	I	X	
Spectrum High School	X		X	N	O	
Spring Lake Park Senior High	X		X	N	O	
St Paul Conservatory for Performing Artists	X	X	X	I	X	X
St. Croix Preparatory Academy Upper	X		X	N	O	
St. Francis High	X		X	N	O	
Tartan Senior High	X		X	N	O	
Technical Senior High	X		X	I	X	O
Twin Cities Academy High School	X	X	X	N	O	
Washington Tech Secondary Magnet	X		X	I	X	O
White Bear North Campus Senior	X	X	X	N	O	
White Bear South Campus Senior	X	X	X	X	O	
Willow River Secondary	X		X	I	X	O
Woodbury Senior High	X		X	N	O	
Zimmerman High School	X		X	N	O	

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Region 5 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
A.C.G.C. Secondary	X	X	X	I	O	
Annandale Senior High	X	X	X	N	O	
Benson Secondary	X	X	X	I	X	O
Bold Senior High	X	X	X	I	X	X
Buffalo Lake-Hector Secondary	X	X	X	N	O	
Buffalo Senior High	X	X	X	N	O	
Canby Secondary	X	X	X	N	O	
Clinton-Graceville-Beardsley Sr.	X	X	X	N	O	
Dassel-Cokato Senior High	X	X	X	N	O	
Dawson-Boyd Secondary	X	X	X	I	X	O
Delano Senior High	X	X	X	N	O	
DREAM Technical Academy	X	X	X	I	X	O
ECHO Charter School	X	X	X	I	X	X
Eden Valley-Watkins Secondary	X	X	X	I	X	O
Glencoe-Silver Lake Senior High	X	X	X	N	O	
Hendricks Senior High	X	X	X	N	O	
Howard Lake-Waverly-Winsted Sec.	X	X	X	N	O	
Hutchinson Senior High	X	X	X	I	X	O
Jane Goodall Environmental Science Academy	X	X	X	N	O	
Kaleidoscope Charter Secondary School	X	X	X	N	O	
Kerkhoven Secondary	X	X	X	N	O	
Lac qui Parle Valley Secondary	X	X	X	N	O	
Lake Benton Secondary	X	X	X	N	O	
Lakeview Secondary	X	X	X	N	O	
Lester Prairie Secondary	X	X	X	N	O	
Lismore Colony Senior High School	X	X	X	N	O	
Litchfield Senior High	X	X	X	N	O	
M.A.C.C.R.A.Y. Senior High	X	X	X	I	X	X
Maple Lake Secondary	X	X	X	I	O	

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Region 5 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Marshall High School	X	X	X	I	O	
Minneota Secondary	X	X	X	N	O	
Montevideo Senior High	X	X	X	N	O	
Monticello Senior High	X	X	X	N	O	
New Century Academy	X	X	X	N	O	
New London-Spicer Sr.	X	X	X	N	O	
Ortonville Secondary	X	X	X	N	O	
Renville County West Senior High	X	X	X	I	X	O
RTR High School	X	X	X	N	O	
St. Michael-Albertville Senior High	X	X	X	N	O	
Tracy Secondary	X	X	X	N	O	
Willmar Senior High	X	X	X	N	O	
Yellow Medicine East High School	X	X	X	N	O	

Region 6 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Adrian Secondary	X	X	X	N	O	
Arcadia Charter School	X	X	X	N	O	
Blue Earth Area Secondary	X	X	X	I	X	X
Butterfield Secondary	X	X	X	N	O	
Cedar Mountain Secondary	X	X	X	N	O	
Cleveland Secondary	X	X	X	N	O	
Discovery Public School Faribault	X	X	X	N	O	
Edgerton Secondary	X	X	X	N	O	
Ellsworth Secondary	X	X	X	N	O	
Fairmont Jr./Sr. High School	X	X	X	I	X	O
Faribault Senior High	X	X	X	N	O	
Fulda Secondary	X	X	X	N	O	
G.F.W. High School	X	X	X	N	O	
Granada-Huntley East Chain Sec.	X	X	X	N	O	
Heron Lake-Okabena Secondary	X			X	O	

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Region 6 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Hills-Beaver Creek Secondary	X	X	X	N	O	
Jackson County Central Senior High	X	X	X	N	O	
Janesville-Waldorf-Pemberton Sec	X	X	X	N	O	
Kato Public Charter School	X	X	X	I	X	O
Le Sueur-Henderson High School	X	X	X	N	O	
Lk Crystal-Wellcome Memorial Sec.	X	X	X	N	O	
Luverne Senior High	X	X	X	N	O	
Madelia Secondary	X	X	X	N	O	
Mankato East Senior High	X	X	X	I	O	
Mankato West Senior High	X	X	X	I	O	
Maple River Senior High	X	X	X	N	O	
Martin County West Senior High	X	X	X	N	O	
Minnesota New Country School	X	X	X	I	X	O
Mountain Lake Secondary	X	X	X	N	O	
Murray County Central Secondary	X	X	X	I	X	O
New Ulm High School	X	X	X	N	O	
Nicollet Senior High School	X	X	X	N	O	
Northfield Senior High	X	X	X	N	O	
NRHEG Secondary	X	X	X	N	O	
Pipestone Senior High	X	X	X	N	O	
Red Rock Central Secondary	X	X	X	N	O	
Redwood Valley Senior High	X	X	X	N	O	
Round Lake-Brewster Secondary	X	X	X	N	O	
Sibley East-Arlington Senior High	X			X	O	
Sleepy Eye Sec.	X	X	X	N	O	
Springfield Secondary	X	X	X	N	O	
St. Clair Secondary	X	X	X	I	X	
St. James Secondary	X	X	X	N	O	
St. Peter Senior High	X	X	X	I	X	O
Tri-City United High School	X	X	X	I	X	X

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Region 6 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Truman Secondary	X	X	X	N	O	
United South Central High School	X	X	X	N	O	
Wabasso Secondary	X	X	X	N	O	
Waseca Senior High	X	X	X	I	X	O
Waterville-Elysian-Morristown Sr.	X	X	X	N	O	
Westbrook-Walnut Grove Secondary	X	X	X	N	O	
Windom Senior High	X	X	X	N	O	
Worthington Senior High	X	X	X	N	O	

Region 7 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Academic Arts High School	X		X	N	O	
Albert Lea Senior High	X		X	N	O	
Alden-Conger Secondary	X		X	N	O	
Apple Valley Senior High	X		X	I	X	X
Augsburg Fairview Academy	X	X	X	N	O	
Austin Senior High	X		X	N	O	
Belle Plaine Senior High	X		X	N	O	
Blooming Prairie Secondary	X		X	N	O	
Bloomington Career and College Academy	X	X	X	I	X	
Brooklyn Center Secondary	X		X	I	X	O
Burnsville Senior High	X		X	I	X	X
Byron Senior High School	X		X	N	O	
Caledonia Area High School	X		X	I	X	X
Cannon Falls Secondary	X		X	N	O	
Central Senior High	X		X	N	O	
Century Senior High	X		X	N	O	
Champlin Park High School	X	X	X	N	O	
Chanhassen High School	X		X	I	X	O
Chaska High School	X		X	I	X	O
Chatfield Secondary	X		X	N	O	
Chesterton Academy	X		X	N	O	
CHOICE Technical Academy	X		X	I	X	X

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Region 7 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Community Campus	X		X	N	O	
Dover-Eyota High School	X		X	N	O	
Downtown Campus	X		X	N	O	
Eagan Senior High	X		X	I	X	O
Eagle Ridge Academy Charter School	X	X	X	N	O	
Eastview Senior High	X		X	I	X	O
Eden Prairie Senior High	X	X	X	N	O	
Edina Senior High	X	X	X	I	O	
Edison Senior High	X	X	X	N	O	
El Colegio Charter School	X	X	X	N	O	
FAIR Senior High	X	X	X	N	O	
Farmington High School	X		X	N	O	
Fillmore Central Senior High	X		X	N	O	
Glenville-Emmons Secondary	X		X	N	O	
Goodhue Secondary	X		X	N	O	
Grand Meadow Senior High	X		X	N	O	
Hastings High School	X		X	N	O	
Hayfield Sec.	X		X	N	O	
Henry Senior High	X	X	X	N	O	
Henry Sibley High School	X		X	I	X	O
Hiawatha Collegiate High School	X		X	I	X	O
Hopkins Senior High	X	X	X	N	O	
Houston Secondary	X		X	I	X	X
Jefferson Senior High	X	X	X	I	X	
John Marshall Senior High	X		X	N	O	
Jordan Secondary	X		X	I	X	X
Kasson-Mantorville Senior High	X		X	N	O	
Kennedy Senior High	X	X	X	I	X	
Kenyon-Wanamingo Senior High	X		X	I	X	X
Kingsland Junior/Senior High School	X		X	N	O	
La Crescent Secondary Montessori & STEM Academy	X		X	N	O	
La Crescent Senior High	X		X	N	O	
Lakeville North High	X		X	N	O	

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Region 7 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Lakeville South High	X		X	N	O	
Lanesboro Secondary	X		X	N	O	
Learning ReImagined	X		X	N	O	
LeRoy Secondary	X		X	N	O	
Lewiston-Altura Secondary	X		X	N	O	
Lincoln International School	X		X	N	O	
Lincoln Secondary	X		X	N	O	
Lionsgate Academy	X		X	I	X	X
LoveWorks Academy (K-8)	X		X	I	X	X
Lyle Secondary	X		X	N	O	
Mabel-Canton Secondary	X		X	N	O	
Main Street School Performing Arts	X	X	X	I	X	
Maple Grove Senior High	X	X	X	I	O	O
Mayo Senior High	X		X	N	O	
Medford Secondary	X		X	I	X	
Metro Schools Charter	X	X	X	N	O	
Metropolitan Education for Future Employment Charter	X	X	X	I	X	X
Minneapolis College Preparatory	X		X	N	O	
Minnetonka Senior High	X	X	X	N	O	
Mound-Westonka High School	X	X	X	N	O	
MTS High School	X			X	O	
MTS Pease Academy	X	X	X	N	O	
New Prague Senior High	X		X	I	X	X
North Academy Arts/Communication	X		X	I	X	O
Orono Senior High	X	X	X	N	O	
Osseo Senior High	X	X	X	N	O	
Owatonna Senior High	X		X	N	O	
Park Center High School	X	X	X	N	O	
Parnassus Preparatory School-Rhetoric	X	X	X	N	O	
Perpich Center for Arts Education	X	X	X	I	X	X
Pine Island Secondary	X		X	I	X	O
Plainview-Elgin-Millville High	X		X	I	X	O

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Region 7 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Prairie Seeds High School Academy	X	X	X	N	O	
Prior Lake High School	X		X	I	X	O
Randolph Secondary	X		X	N	O	
Red Wing Senior High	X			X	O	
Richfield Senior High	X	X	X	N	O	
Riverway Secondary	X			X	O	
Robbinsdale Armstrong Senior High	X	X	X	I	X	O
Robbinsdale Cooper Senior High	X	X	X	I	X	
Rochester Beacon Academy	X		X	N	O	
Rochester Off-Campus Charter High	X		X	N	O	
Rochester STEM Academy	X		X	N	O	
Rockford Secondary	X	X	X	N	O	
Rogers Senior High	X	X	X	X	O	
Roosevelt Senior High	X	X	X	N	O	
Rosemount Senior High	X		X	I	X	X
Rushford-Peterson Senior High	X		X	I	X	
Sabathani Campus	X		X	N	O	
SAGE Academy Charter School	X	X	X	I	X	O
School of Environmental Studies	X		X	N	O	
Shakopee Senior High	X		X	N	O	
Simley Senior High	X		X	N	O	
South Senior High	X	X	X	N	O	
South St. Paul Secondary	X		X	N	O	
Southland Senior High	X		X	N	O	
Southwest Senior High	X	X	X	I	X	X
Spring Grove Secondary	X		X	N	O	
St. Anthony Village Senior High	X	X	X	N	O	
St. Charles Secondary	X		X	N	O	
St. Louis Park Senior High	X	X	X	N	O	
STEP Academy Charter School	X		X	I	O	

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Region 7 Schools	Personal Email to school representative	Phone Call Made Jan.-Dec. 2016	Follow up Email Jan.– Dec. 2016	Response: I = Interested N= No response	In-person Meeting/ Info. Session O=Offered	Participate in Training Event O=Offered
Stewartville Senior High	X		X	N	O	
Triton High School	X		X	N	O	
Ubah Medical Academy Charter School	X		X	I	X	O
Unity Campus	X	X	X	N	O	
Upper Mississippi High Academy	X	X	X	N	O	
Wabasha-Kellogg Secondary	X		X	N	O	
Waconia Senior High	X			X	O	
Washburn Senior High	X	X	X	N	O	
Watershed High School	X		X	I	X	X
Watertown Mayer High	X		X	N	O	
Wayzata High	X	X	X	N	O	
Wellstone International High	X	X	X	X	O	
Winona Senior High	X		X	I	X	X
Yeshiva of Minneapolis	X	X	X	I	O	
Zumbrota-Mazeppa Senior High	X		X	I	X	

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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:
   - Culminating Projects - help learners demonstrate what they have learned.
   - Progress & 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.
   - 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.

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- 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 & 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:
   1) Design with Purpose
   2) Circuitry & Electronics
   3) Serious Games
   4) Green Tech
   5) Web Literacy & Coding
   6) Intro to Design
   7) IT Essentials & Admin
   8) 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

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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.

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