



Teacher Learning Hub

Annual Report

17/18



Montana Office of Public Instruction | Content Standards and Instruction

PO Box 202501 | Helena, MT 59620

opi.mt.gov/learninghub

Contents

Introduction to the Teacher Learning Hub	3
Course Designers	4
Savings to Schools	4
User Data	5
Hub Course Types	7
Course Completion Data	8
Renewal Unit Data	9
Participating Schools Data	10
Participant Responses	11
Course Comparison Data	12
Contact Us	15

The OPI is committed to providing reasonable accommodations to people with disabilities. If you need a reasonable accommodation, require an alternate format, or have questions concerning accessibility, contact the OPI ADA Coordinator, 406-444-3161, opiada@mt.gov, TTY 406-444-0235

The Hub Story

Montana’s teachers are dedicated professionals who strive to improve their practice in service of their students. Professional development is an essential part of the ongoing professional work that educators engage in to maintain licensure and keep their skills up-to-date. Montana’s geography, weather, isolation, and the expense of professional development have been a barrier to teachers who want to increase their effectiveness in the classroom. This annual report of the Teacher Learning Hub (Hub) activity for 2017-18 is our way of demonstrating how the Office of Public Instruction (OPI) is leveraging its resources to eliminate access barriers for our education community.

Superintendent Arntzen’s mission is “Putting Montana Students First.” The Hub is a critical tool for professional development in each of the four initiatives of that mission



HISTORY: In July 2013, Montana was awarded an American Federation of Teachers (AFT) Innovation Grant to create the Montana Digital Professional Learning Network (MDPLN). MEA-MFT (now MFPE) and the Montana Digital Academy (MTDA) partnered with the Office of Public Instruction (OPI) to design a professional development delivery vehicle with the primary goal of addressing the challenges of distance, time, access, and equity for Montana educators. At the conclusion of the AFT Innovation Grant in August 2015, the MDPLN partners decided to transition the program to OPI to ensure continued success and sustainability. In November 2015, MDPLN was transformed into the OPI Teacher Learning Hub. In its home at the OPI, the Hub is committed to offering quality online learning that is engaging, relevant, accessible, and free of cost.

PROGRAM OVERVIEW: The Hub is administered and staffed in the OPI Content Standards and Instruction division with support from: Montana’s GEAR UP program at the Office of the Commissioner of Higher Education; OPI Educational Opportunity and Equity division; OPI Special Education Division; and, the Montana educators who create and facilitate courses. This support allows for the diversification of course offerings, including 4 types of courses, and an expanded catalog of more than 100 courses. With users increasing to nearly 9,000 in 2017, the Hub added a second full-time specialist in January 2018, with support from the Montana Comprehensive Literacy Program Grant.

While there are many exciting changes in store for the 2018-2019 fiscal year, the Hub’s purpose of providing equitable, accessible professional learning for educators throughout Montana remains at the forefront. This Annual Report for the period July 2017 through June 2018 is evidence of the growth, quality, and value of the Teacher Learning Hub to Montana’s education community.

This report was prepared by Jessica Bryant (Teacher Learning Hub Manager) and Cari Russell (Teacher Learning Hub Project Specialist) with contributions by Marjorie O’Rourke (Professional Learning Data and Information System Specialist), and Colet Bartow (Director of Content Standards and Instruction).

“I loved how interactive this course was. I am very excited to be walking away from this course with a list of tools I can use in my classroom. This was a perfect way to get my mindset on my back-to-school plans..“

-Tech-ify Your Classroom!
The Basics of K-5
Technology Integration

“I did enjoy this class! I am loving the enthusiasm I have regained for writing with my students. It is paying off, because they actually groaned when our writing time was up today!”

- Write From the Start: K-2

“Thank you so much for this course. The diversity of activities that followed the learning content was engaging and challenging.”

- It's Your First Year Teaching, Now What?!

“I can say this has been by far my favorite, most meaningful, and most applicable professional development I have taken in many years!”

- STREAM: Number Systems & Operations

Course Designers and Facilitators

The educators, non-profits, and other state agencies shown on this map are evidence of our commitment to engaging with Montana’s best content experts.



Savings for Schools 17/18

With the goal of providing equity of access to high quality professional development, the Hub prides itself on being free to teachers across the state. This creates potential savings for schools, which frees up resources that can be used to support teacher growth in other ways.



On average, schools spend **\$227** for a teacher to travel to a 6-hour workshop. This includes substitute costs, mileage, and per diem.



For a weekend workshop, where a substitute is not needed, the cost is about **\$137**.



A school will spend about **\$177** per teacher to pay a presenter to travel and provide a workshop at the school.

Using the Teacher Learning Hub...

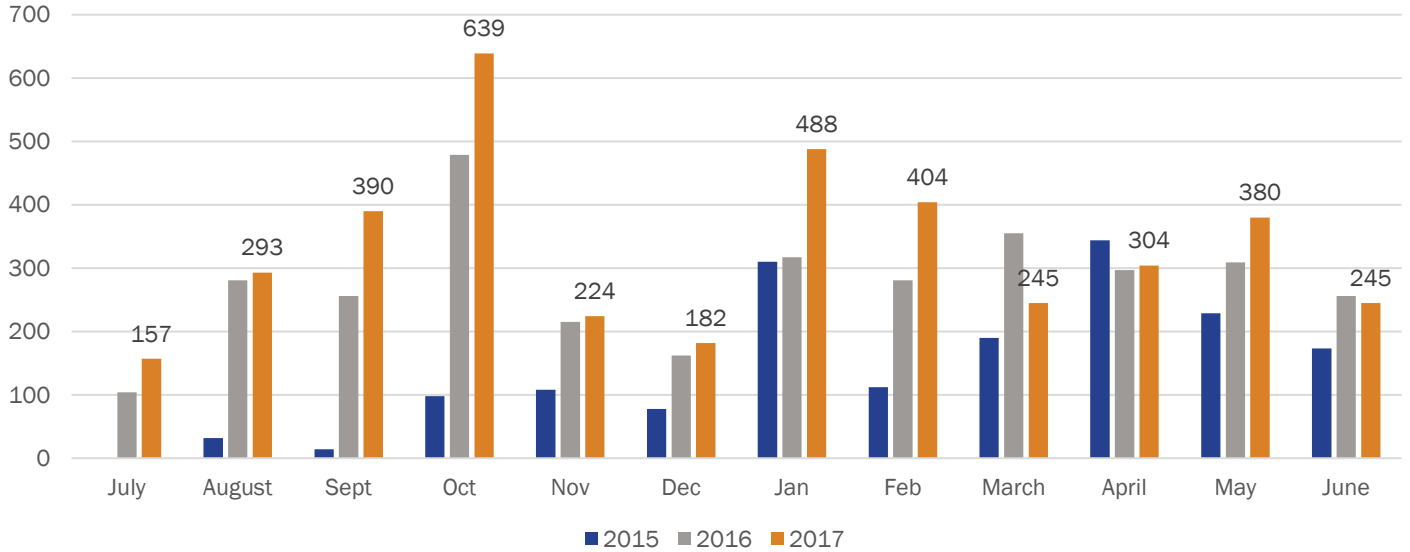
- Teachers spent **22,526** hours earning Renewal Units in 2017-2018.
- This is equal to **3,754.5** 6-hour PD sessions.
- **The cost to teachers was \$0.**

Estimated Savings to Schools and Teachers = \$601,972

Registered Users

The Hub has 8,848 total registered users, an increase of 45.7% from the 2016-2017 total of 6,050.

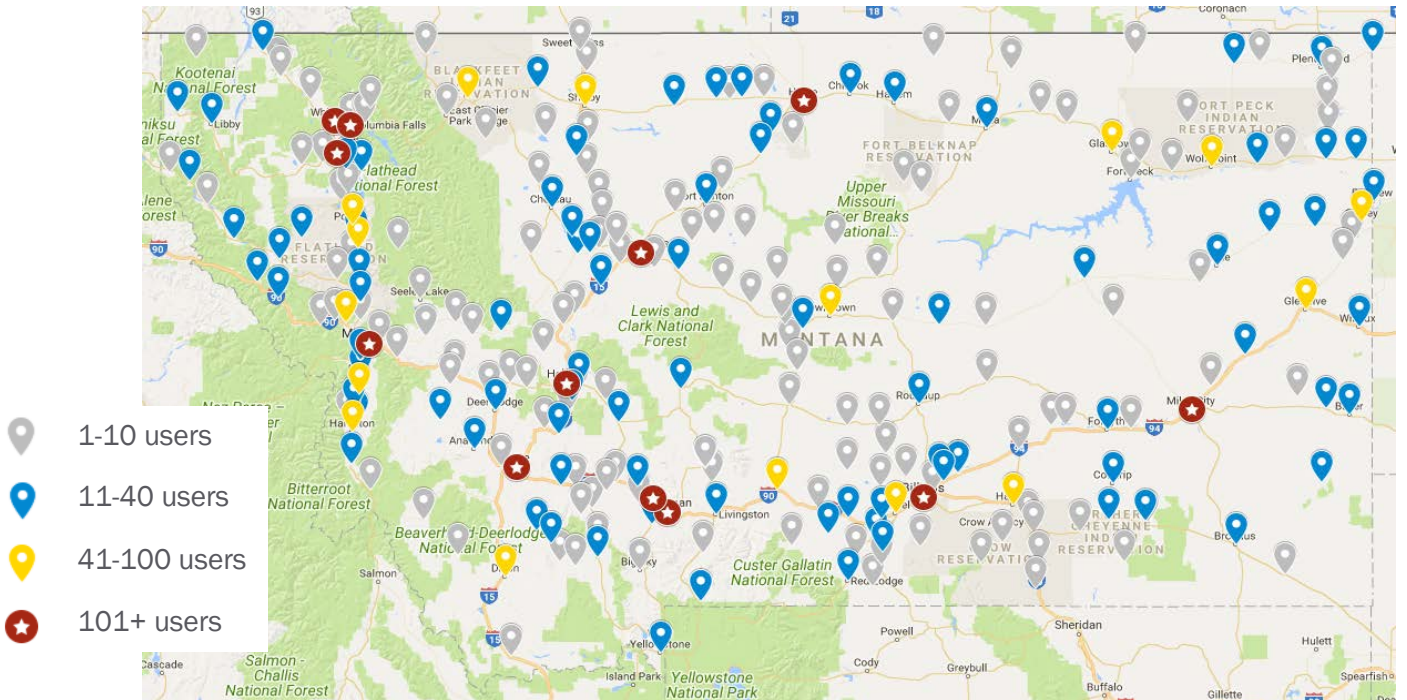
New Users by Month and Year



Maps of Registered Users

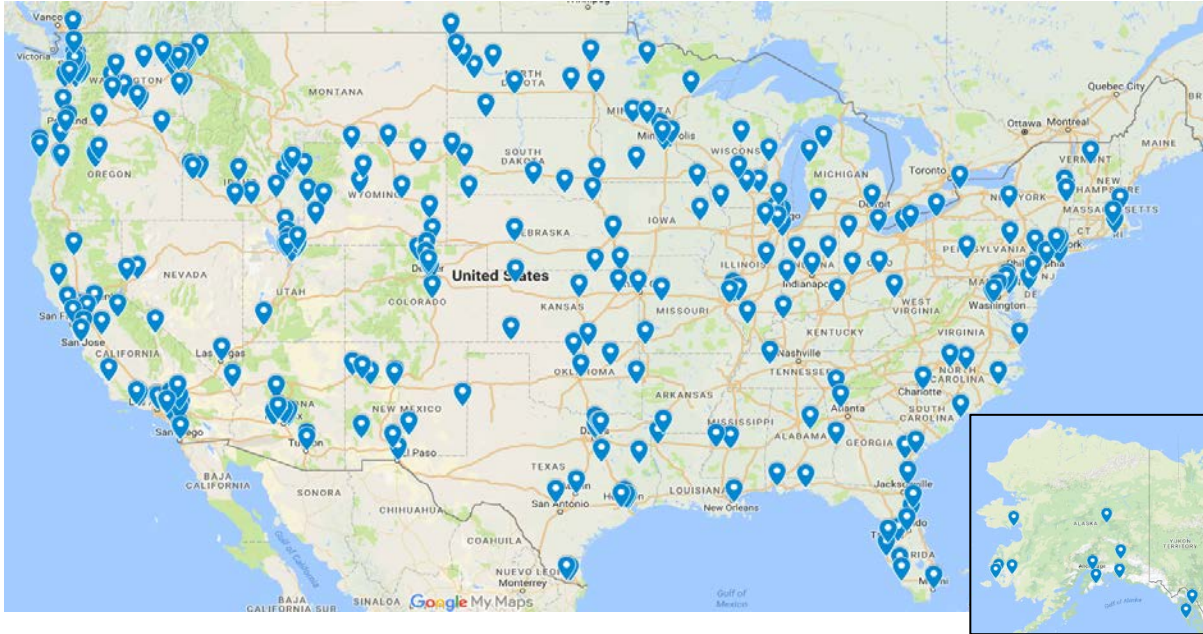
Montana Users

Of the Hub’s 8,848 registered users, 7,892 are from Montana, 438 are from other U.S. States, and 46 are from other countries. Location data was not available for 472 users. The map of Montana users is color coded by number of users.



Users From Other States

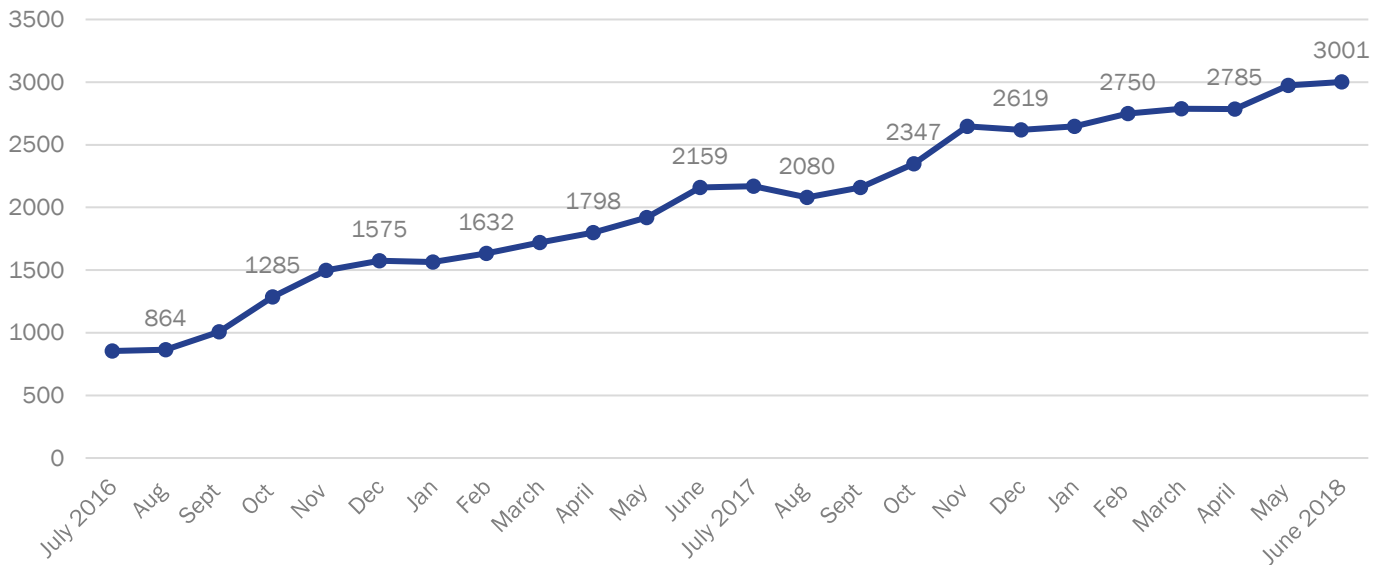
Each marker on the U.S. map may represent more than one user. California has 29 registered users, Washington has 24 and Idaho has 18. There is at least one registered user from every state, except for Arkansas, Connecticut, Maine, and New Hampshire.



Active Users

An active user is defined as a user who is enrolled in an open course. A user is automatically unenrolled from a course after 120 days of inactivity.

Average Number of Active Users by Month



Hub Course Types

Self-paced

These courses do not have a start or end date, but are continuously open. Complete at your own pace and on your own schedule. There is a facilitator listed in case you have questions. They also monitor the course but do not grade assignments.

Facilitated

These courses are typically 3-5 weeks. Most courses do not have specific meeting times for each week, instead there are deadlines for each activity or assignment. A facilitator will be online to guide you through the course and provide feedback. These courses are typically capped between 25 and 30 participants and run 2-3 times throughout the year.

Group

Virtually guided group courses blend the convenience of online learning with the power of collaboration. Gather a group of teachers, pull up the course on a projector, and follow along. These courses guide your group through the content using materials (which you print ahead of time), activities, and discussion prompts.

Professional Learning Communities (PLC)

Live courses, sometimes called Virtual Communities or Professional Learning Communities (PLCs), aim to create a community of teachers across Montana in order to share best practices, solve problems, and collaborate. Meet online monthly or watch recordings of previous meetings.

"I have implemented several of the ideas gleaned from the course into my middle school math classroom and am pleased with my growth as well as the students! I am excited to incorporate rich activities for classes next year as well."

- Ensuring Equity for All in Mathematics

"After learning about the importance of making purposeful efforts to incorporate the culture of the Montana Native American's, I am moved to ensure that their culture, beliefs, and language will always have a place in my school."

- An Introduction to IEFA in Montana

"The simulation component is invaluable! I have a student at this time that I can help, even with the few days left in this school year. I wish I would have taken this course earlier in the year!"

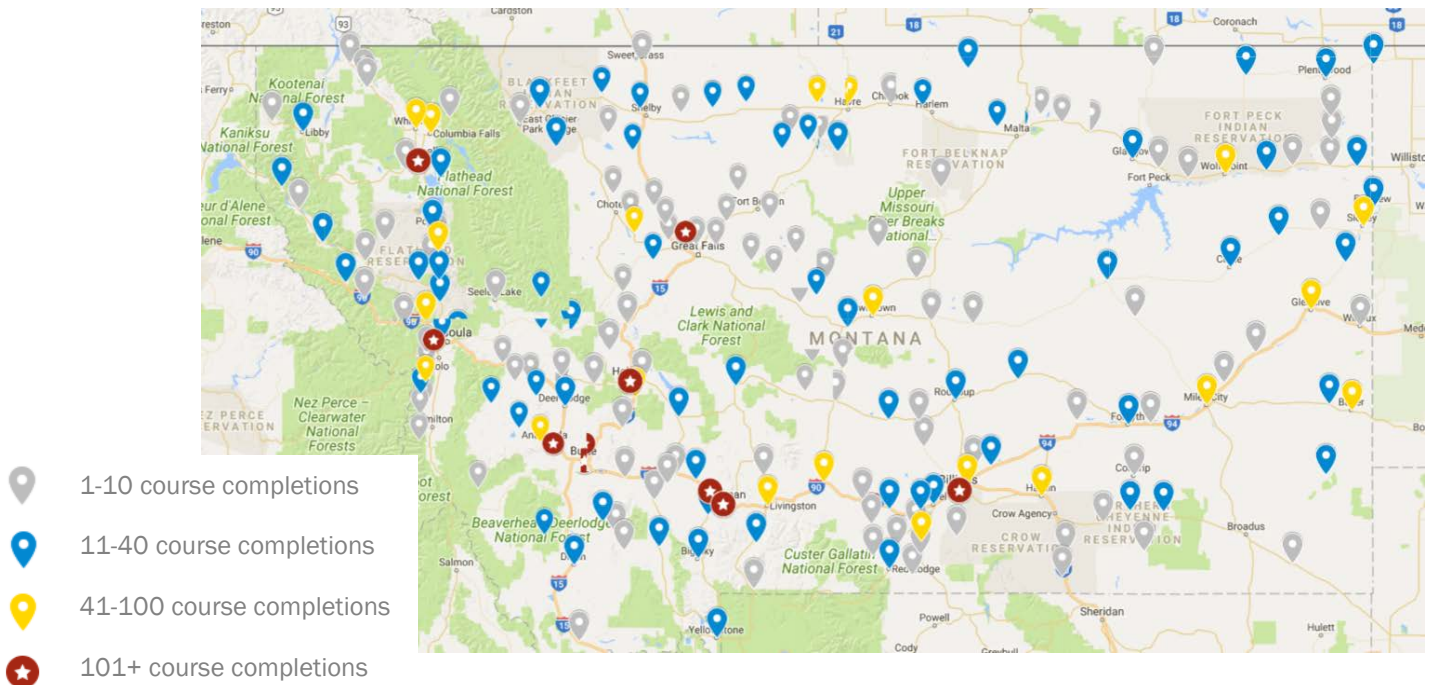
- At-Risk Simulation

"I'm so inspired by this topic I plan to begin implementing a department-wide curriculum change!"

- Integrating Journalism in Your Classroom

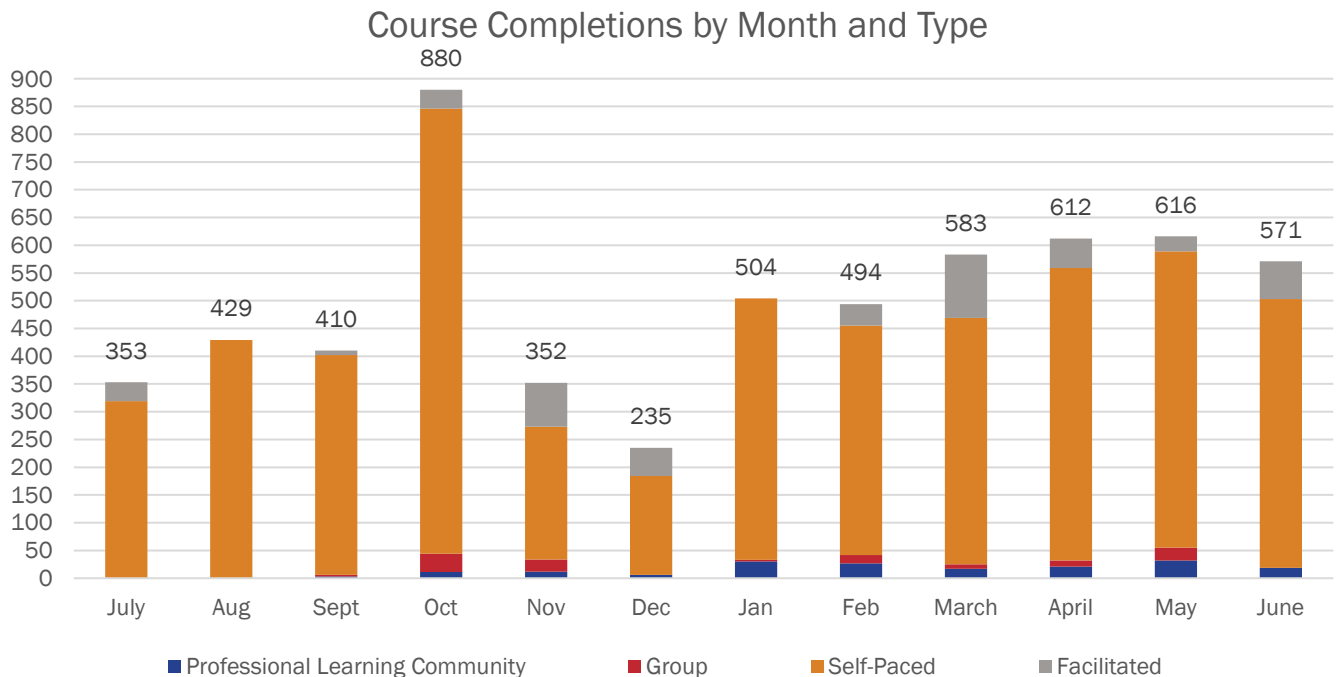
Course Completions

This map shows course completions by location in Montana. For approximately 1,500 course completions, the location was outside of Montana or unknown.



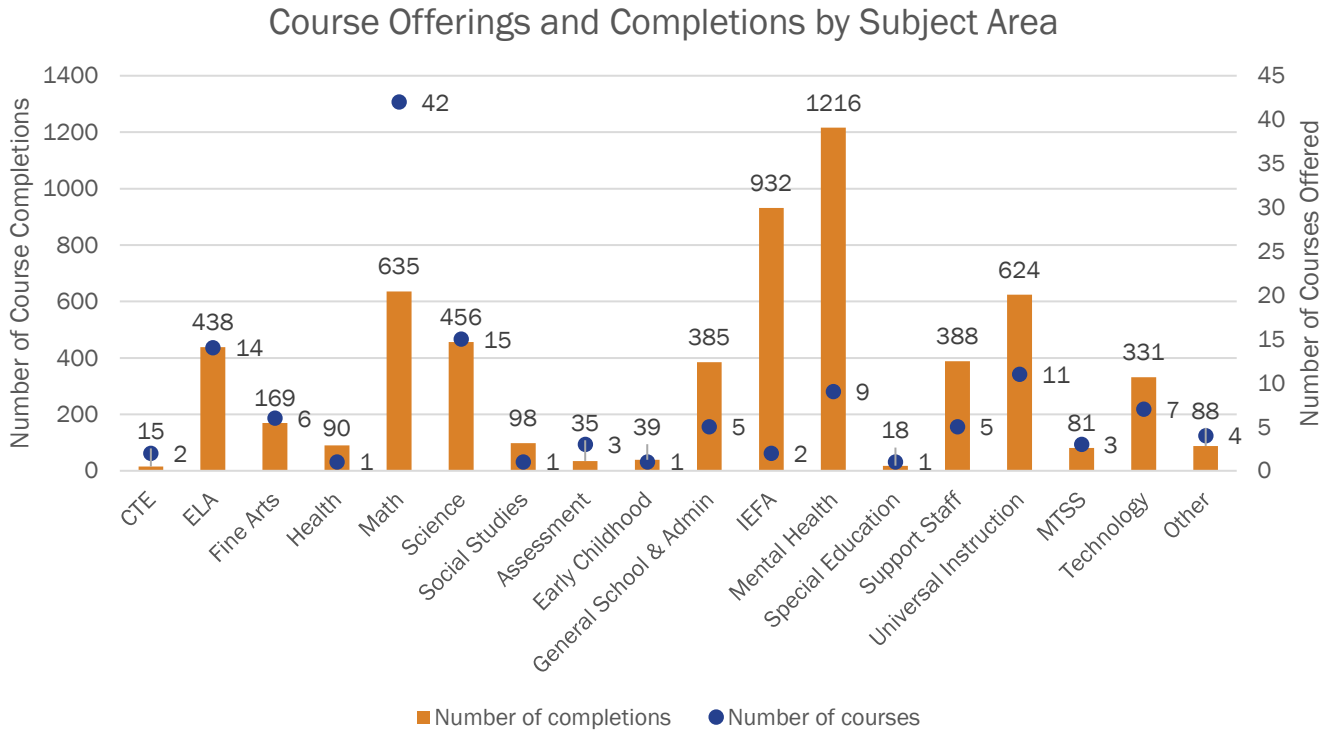
Course Completions by Month

The Hub had 6,039 course completions this year, a 58% increase over the 2016-2017 total of 3,813.



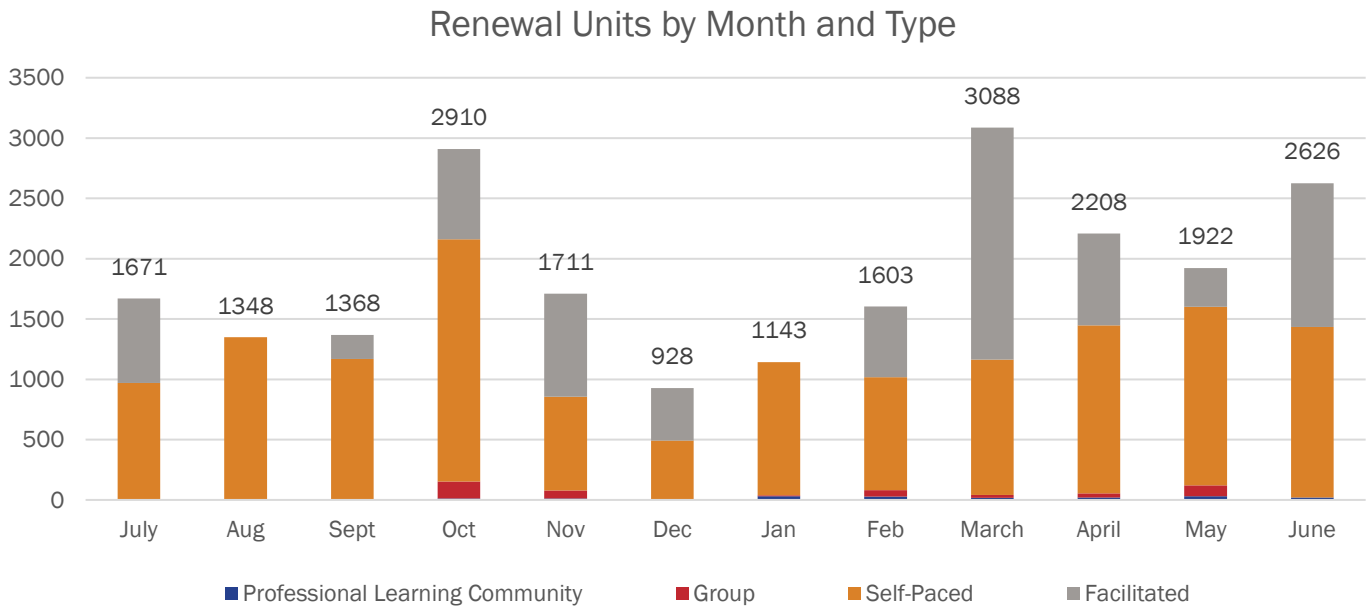
Course Offerings and Completions by Subject Area

During this fiscal year the Hub offered 132 courses; 66 self-paced, 9 group, 8 PLCs and 49 facilitated courses. This graph represents these 132 courses and their respective number of completions, split by the categories used on the Hub.



Renewal Units

The Hub issued 22,526 renewal units this year, a 29% increase over 2016-2017 total of 17,517.

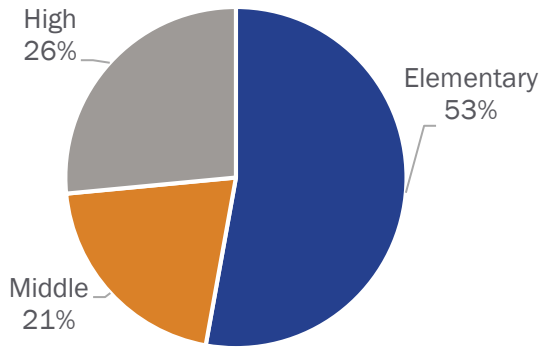


Participating Schools

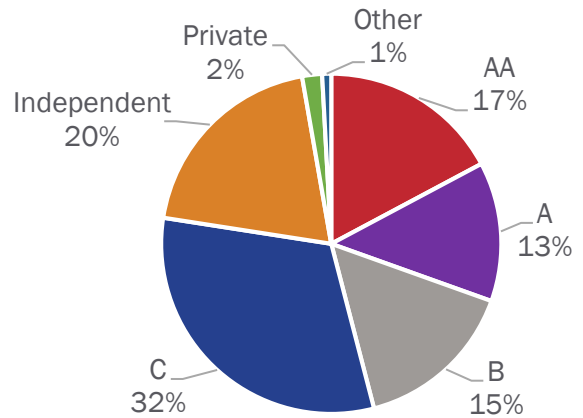
The data in this section shows a breakdown of the 581 Montana schools whose educators completed one or more Hub courses.

Category	2016-2017	2017-2018	Growth
All Schools (of 837 school tracked)	441 (52.7%)	581 (69.4%)	31.7%
Reservation Schools (of 91)	47 (51.6%)	64 (70.3%)	36.2%
GEAR Up Schools (of 37)	19 (51.4%)	26 (70.3%)	36.8%
High Needs Schools, >60% FR Lunch (of 181)	83 (45.9%)	124 (68.5%)	49.4%

Breakdown by School Level



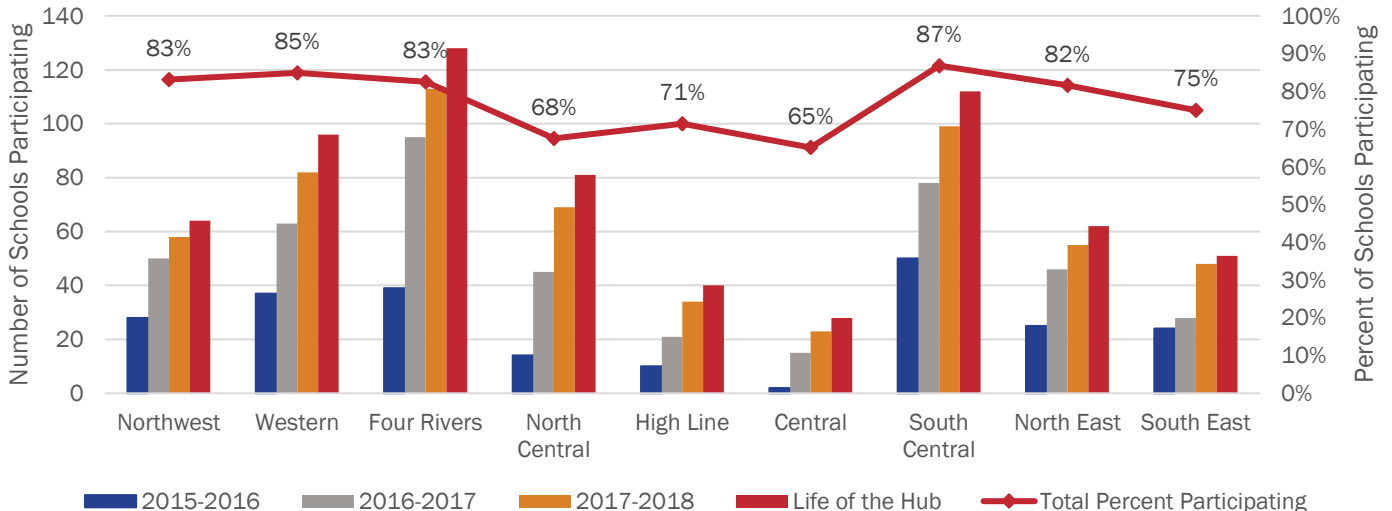
Breakdown by Classification



Participating Schools by MASS Region

Schools from all 9 MASS Regions completed courses on the Hub this year. The data below shows the growth in participation over time for each region and the percent of schools participating.

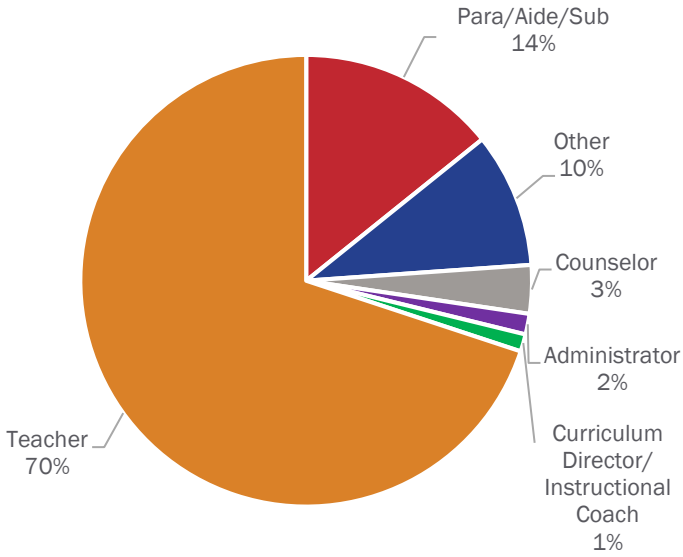
Participating Schools by MASS Region



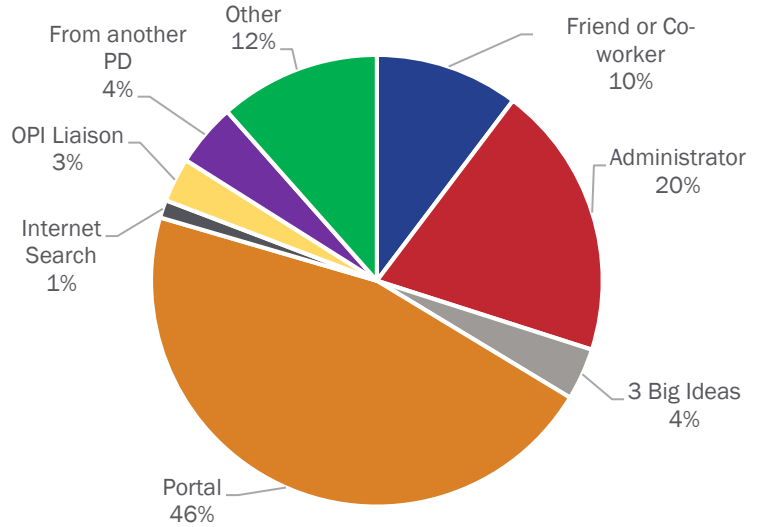
Participant Responses

The following graphs represent self-reported information from the course evaluation.

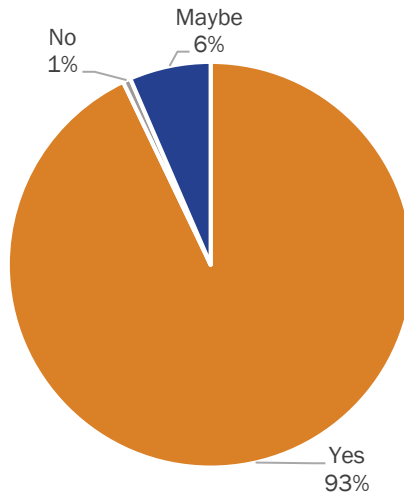
What is your role?



How did you hear about this course?



Do you plan to implement what you learned?



Self-Paced Course Comparison

This table represents the 66 self-paced courses offered this year, sorted by course open date. The top 10% in course completions and each rating are highlighted. Ratings are based on a scale of 1-5, with 5 being the best.

Course	Course Length (RUs)	Date Opened	Completions	Overall Rating	Content Rating
Montana's Hidden Treasures	2	11/1/2015	190	4.56	4.57
Interactive Computer Tasks	4	12/1/2015	22	4.23	4.14
Dealing with Grief and Loss in Adolescents	2	1/1/2016	246	4.59	4.48
GeoGebra	5	1/1/2016	34	4.50	4.41
Montana Historical Society Educator Resources	1	1/1/2016	98	4.53	4.57
More Than Making the Grade: Intro to Standards-Based Grading	2	1/1/2016	101	4.09	4.12
Embracing the Integration of IEFA into ELA (*closed 5/1/18)	5	1/15/2016	120	4.22	4.14
MTDA Credit Recovery Orientation: Local Support	2	6/1/2016	24	4.33	4.17
MTDA Credit Recovery Orientation: Site Facilitator	2	6/1/2016	13	4.00	3.92
Montana's New Arts Standards: An Introduction	1	9/1/2016	81	4.63	4.41
Welcome to Our School! An Introduction for Substitute/Guest Teachers	3	9/8/2016	322	4.29	4.23
Montana's New Science Standards: An Introduction	1	10/14/2016	115	4.29	4.21
Write From the Start: K-2 Writing Strategies (Part 1)	6	10/18/2016	85	4.62	4.53
Write From the Start: K-2 Writing Strategies (Part 2)	6	10/18/2016	41	4.51	4.46
K-6 INFORMative Math Instruction: Who Knows? Who Doesn't? Now What?	8	10/19/2016	91	4.46	4.52
Montana's New Health Enhancement Standards: An Introduction	1	11/1/2016	90	4.30	4.27
Student-Guided Approach to Suicide Prevention (*closed 5/1/18)	2	12/1/2016	116	4.21	4.16
Writing to Learn: 3-5 Writing Strategies (Part 1)	6	12/8/2016	39	4.49	4.31
Writing to Learn: 3-5 Writing Strategies (Part 2)	6	12/8/2016	12	4.50	4.33
Ensuring Equity for All In Mathematics	10	12/12/2016	62	4.29	4.37
Introduction to Course Design	6	1/18/2017	48	4.23	-
Introduction to Gifted Students	4	1/23/2017	143	4.59	4.56
MTSS Overview	1	1/23/2017	74	3.97	3.99
Growing Up WILD! Exploring Nature with Young Children	10	2/1/2017	39	4.74	4.72
An Introduction to IEFA In Montana	2	2/16/2017	812	4.46	4.34
Writing Across the Disciplines in Grades 5-12	6	3/22/2017	27	4.59	4.56
Using the Montana Early Warning System	4	4/29/2017	68	4.31	4.24
Gray Wolves in the Northern Rocky Mountains: A Conservation Puzzle	5	5/3/2017	20	4.15	4.30
Creating Asthma Friendly Schools	1	5/8/2017	108	4.58	4.53
Montana DRIVE Instructors Review	4	5/17/2017	3	4.67	5.00
"Backpack Science" K-6 Inquiry Activities: Mapping	2	5/22/2017	56	4.25	4.41
Montana's New Science Standards 101	2	5/30/2017	93	4.39	4.37
Tech-ify Your Classroom! The Basics of K-5 Technology Integration	4	6/1/2017	93	4.60	4.59
Navigating the Other Side of Teaching	6	8/27/2017	179	4.20	4.24
Tech Tools You Can Use Tomorrow (HS)	4	9/6/2017	42	4.52	4.67
Backpack Science K-6 Inquiry Activities: Landscape	2	9/12/2017	26	4.12	4.12
Exploring Inquiry With NASA	4	9/14/2017	29	4.31	4.41
At-Risk: Mental Health & Suicide Prevention Role-Play Simulations (Elem)	1	9/20/2017	199	4.36	4.41
At-Risk: Mental Health & Suicide Prevention Role-Play Simulations (HS)	1	9/20/2017	242	4.30	4.31
At-Risk: Mental Health & Suicide Prevention Role-Play Simulations (MS)	1	9/20/2017	239	4.44	4.49
Media Arts 101	2	10/4/2017	61	4.46	4.56
Reading Between the Lines: Close Reading Strategies for Secondary	3	10/13/2017	51	4.59	4.55
Confidence in Content: Teaching Linear Equations	6	11/2/2017	19	4.26	4.16
Using Writing to Teach Critical Thinking	1	11/14/2017	49	4.43	4.43
Integrating Journalism in Your Classroom	1	11/16/2017	32	4.44	4.66
A Universe of Learning: Digital Tools and Digital Learning	2	11/17/2017	35	4.26	4.26
Digital Citizenship	2	12/18/2017	50	4.64	4.56
Digital Accessibility Fundamentals	1	1/3/2018	52	4.65	4.40
Curriculum Integration: What It Is and What It Isn't	1	1/25/2018	41	4.46	4.27
Problem Solving: Bring Your Classroom Alive!	3	1/30/2018	23	4.43	4.35
Science Standards for Principals: A 10,000' View	3	1/31/2018	4	4.50	4.25
Implementing Smarter Balanced Interim Assessments	7	2/7/2018	6	4.83	4.83
But What About Fact Fluency	2	2/14/2018	76	4.64	4.55
Gifted & Talented: Depth & Complexity	1	2/14/2018	22	4.41	4.32
Overview of Youth Suicide	2	2/23/2018	86	4.31	4.36
Montana's New Science Standards 201: 3D Learning	3	3/22/2018	6	3.83	4.00
Google Suite for Beginners	6	3/23/2018	46	4.75	4.50
Arts Integration 101	1	4/4/2018	20	4.55	4.45
Suicide Prevention for Schools Part 1: Strategies	2	4/5/2018	27	4.04	4.22
Suicide Prevention for Schools Part 2: Protocols	2	4/11/2018	14	4.86	4.71
Using Assessment to Enhance Writing	6	4/18/2018	13	4.77	4.54
Overcoming ACEs in MT Schools	4	4/27/2018	47	4.66	4.66
ELP 101	5	5/16/2018	6	4.67	4.83
Information Sharing: HIPAA and FERPA for Schools	2	5/23/2018	6	4.00	4.10
Smithsonian American Art Museum Webinar Series	3	6/7/2018	1	3.00	3.00
Science as an Anchor for Literacy in Technical Texts	3	6/27/2018	0	-	-
Averages:				4.40	4.38

Group Course Comparison

This table represents the 9 group courses offered this year, sorted by course open date.

Course	Course Length (RUs)	Date Opened	Completions	Overall Rating	Content Rating
8 Mathematical Practices (Secondary)	3	8/1/2016	3	2.00	3.00
Six Steps to Developing a School Emergency Operations Plan	6	2/28/2017	24	4.33	4.21
8 Mathematical Practices (Elementary)	3	3/27/2017	4	3.00	5.00
Problem Solving: Bring Your Classroom Alive!	3	3/27/2017	22	5.00	5.00
Key Words Can Be Misleading	1	8/28/2017	3	5.00	5.00
A School's Guide to Creating a School-Wide Reading and Writing Protocol	3	10/3/2017	39	3.92	3.92
Growth Mindset	3	10/11/2017	23	4.57	4.61
Integration Across Content Areas Through a Scientific Lens	3	1/25/2018	0	-	-
Arts Integration	3	4/4/2018	0	-	-
Averages:				3.97	4.39

PLC Course Comparison

This table represents the 8 PLC courses offered this year, sorted by course open date.

Course	Course Length (RUs)	Date Opened	Completions	Overall Rating	Content Rating
Trending Teacher Topics	1 per session	9/1/2017	69	4.20	4.26
Intersections: A Virtual Math Community	1 per session	9/1/2017	35	4.26	4.14
Montana Writing Teachers	1 per session	9/1/2017	30	4.27	4.37
Data and Assessment	1 per session	9/1/2017	16	4.50	4.56
Science Online Community	1 per session	9/1/2017	15	4.27	4.53
Arts PLC	1 per session	10/1/2017	6	4.17	4.00
MTSS for All	1 per session	10/1/2017	2	4.50	4.00
MTSS Facilitators	1 per session	11/1/2017	5	4.00	3.80
Averages:				4.27	4.21

Facilitated Course Comparison

This table represents the 30 facilitated courses that ran for a total of 49 sessions this year, sorted by number of sessions. The top 10% in course completions and each rating are highlighted. Ratings are based on a scale of 1-5, with 5 being the best.

Course	Course Length (RUs)	Number of Sessions	Completions	Completion Rate	Overall Rating	Content Rating
STREAM: Math Practices (K-8)	15	4	62	85%	4.50	4.67
3D Science Implementation Mentorship	24/34	3	51	94%	4.53	4.45
Teaching and Assessing English Language Learners	35	3	27	82%	4.54	4.42
PASS ELA	0	2	34	100%	4.53	4.59
PASS Math	0	2	34	100%	4.63	4.38
STREAM: Number Systems and Operations (K-3)	15	2	32	86%	4.41	4.50
STREAM: Algebraic Thinking (K-5)	15	2	19	79%	4.26	4.37
STREAM: Geometric Thinking (4-7)	15	2	17	85%	4.24	4.23
STREAM: Number Systems and Operations (4-7)	15	2	17	68%	4.71	4.71
It's Your First Year Teaching, Now What?!	12	2	16	53%	4.50	4.56
STREAM: Measurement (K-3)	15	2	16	80%	4.50	4.50
Intro to Teaching Health Science as a Career Pathway	20/30	2	15	94%	4.50	4.50
STREAM: Geometric Thinking (K-3)	15	2	15	75%	4.60	4.47
STREAM: Developing Fraction Sense (3-5)	15	2	7	58%	4.43	4.30
Writing in Science Summer Intensive	24	1	19	68%	4.26	4.58
PAO Science Workshop	20	1	19	70%	3.47	3.84
Orientation to Special Education	15	1	18	69%	4.50	4.33
Student Created Digital Learning Portfolios	15	1	13	81%	4.77	4.62
STREAM: Math Practices and Modeling (HS)	15	1	12	92%	3.80	4.10
STREAM: Making Sense of Modeling (8-12)	15	1	11	79%	4.09	4.45
STREAM: Playing with Pythagoras (7-9)	15	1	11	100%	4.27	4.45
STREAM: Describing Data (4-7)	15	1	7	78%	4.71	4.71
STREAM: Algebraic Thinking (6-7)	15	1	6	86%	4.33	4.50
STREAM: Linear Relationships (7-9)	15	1	5	83%	5.00	4.40
STREAM: Ratio and Proportions (7-9)	15	1	5	71%	5.00	4.80
STREAM: Transformations & Proofs (HS)	15	1	4	67%	5.00	4.75
STREAM: Connecting Length, Area, and Volume	15	1	4	100%	4.75	5.00
STREAM: Exploring Transformations (7-9)	15	1	4	57%	5.00	5.00
STREAM: You Decide How to Divide (3-5)	15	1	4	67%	4.50	4.25
STREAM: Fraction Models & Operations	15	1	3	60%	4.33	4.67
STREAM: Statistics (HS)	15	1	2	50%	4.50	4.00
Averages:				78%	4.49	4.49

Contact Us

Content Standards and Instruction



Director
Colet Bartow | cbartow@mt.gov
406-444-3583



English Language Arts & Literacy Coordinator
Christy Mock-Stutz | cmstutz@mt.gov
406-444-0736



Hub Coordinator
Jessica Bryant | jbryant3@mt.gov
406-444-3557



Science Instructional Coordinator
Michelle McCarthy | mmcarthy5@mt.gov
406-444-3537



Hub Project Specialist
Cari Russell | cari.russell@mt.gov
406-444-4422



Mathematics Instructional Coordinator
Marisa Graybill | marisa.franklin@mt.gov
406-444-0706



Data Information System Specialist
Marjorie O'Rourke | morourke@mt.gov
406-444-3538



Administrative Assistant
Wanda Arlint | warlint@mt.gov
406-444-0716