Monitoring our Progress: LAMP Strategic Plan

Rachel M. Watson
Director of the Science Initiative’s Learning Actively Mentoring Program (LAMP)
Train (all) new and (most) existing faculty in the five core UW Science Initiative departments
Train at least one faculty member from every STEM-related department and interdisciplinary (STEM-integrated) department in every one of the 9 colleges
Train 75 graduate students in STEM and STEM-related disciplines
Train at least two STEM educators from every one of the State’s 7 community colleges

Will provide a hands-on teaching experience in an active learning classroom and a 1-credit pedagogy course to at least 50% of the students earning a post-bacc from the College of Education.
Provide a hands-on teaching experience in an active learning classroom and a 1-credit pedagogy course to 50 undergraduate students.
LAMP-trained educators will have instructed over 20,000 students.
LAMP/WRSP Roadshow will allow Outreach opportunities for more than 20 undergraduate and graduate LAMP and WRSP students
Roadshow will travel to schools in every county of the State
Roadshow will impact more than 5,000 students
Complete a full Social Network Analysis

At least 3 additional active learning classrooms and one large-scale active learning classroom will be available and preferentially assigned to LAMP-trained educators
Involve at least 10% of all LAMP-trained educators in the Open Educational Resources (OER) statewide initiative

Achieved or Exceeded

- Present at least 20 LAMP SoTL projects at teaching and learning conferences
- Publish at least 4 LAMP SoTL manuscripts in peer-reviewed educational journals
- LAMP/WRSP Roadshow will allow Outreach opportunities for more than 20 undergraduate and graduate LAMP and WRSP students

ON-TRACK

- Train at least one faculty member from every STEM-related department and interdisciplinary (STEM-integrated) department in every one of the 9 colleges
- Train 75 graduate students in STEM and STEM-related disciplines
- Train at least two STEM educators from every one of the State’s 7 community colleges
- LAMP-trained educators will have instructed over 20,000 students.
- Analyze D, W & F rates for classes taught by instructors pre- and post-LAMP training.
- Provide a hands-on teaching experience in an active learning classroom and a 1-credit pedagogy course to 50 undergraduate students.
- Roadshow will travel to schools in every county of the State
- Roadshow will impact more than 5,000 students
- Complete a full Social Network Analysis

Must Be Modified

- Involve at least 20% of all LAMP-trained educators in the Scholarship of Teaching and Learning (SoTL) Faculty Learning Community
- Analyze teaching evaluations for classes taught by instructors pre- and post-LAMP training
- Train (all) new and (most) existing faculty in the five core UW Science Initiative departments
- Will provide a hands-on teaching experience in an active learning classroom and a 1-credit pedagogy course to at least 50% of the students earning a post-bacc from the College of Education.
- Support 50 K-16 educators to attend the Wyoming Department of Education Roadmap to STEAM Conference
- Half of the educators supported by LAMP to attend the Wyoming Department of Education Roadmap to STEAM Conference will present at the conference with presentations that show successful implementation of active learning.

Will Not Achieve

- At least 3 additional active learning classrooms and one large-scale active learning classroom will be available and preferentially assigned to LAMP-trained educators
- Involve at least 10% of all LAMP-trained educators in the Open Educational Resources (OER) statewide initiative
The yearlong LAMP Fellows program will train (all) new and (most) existing faculty in the five core UW Science Initiative departments.
The yearlong LAMP Fellows program will train at least one faculty member from every STEM-related department and interdisciplinary (STEM-integrated) department in every one of the 9 colleges.
Goal Departments to add:
- Family & Consumer Sciences
- Plant Sciences
- Anthropology
- Accounting and finance
- Economics
- Management and Marketing
- Instructional Technology
- Atmospheric Science
- Chemical Engineering
- Civil Engineering/Water Resources
- Computer Science
- Mechanical Engineering
- Kinesiology & Health
- Medical Laboratory Science Program
- Nursing
- JD & MA in Environment and Natural Resource
- Energy Resource Management and Development
The yearlong LAMP Fellows program along with the spring graduate student training program will train 75 graduate students in STEM and STEM-related disciplines by the year 2022.
By the year 2022, the yearlong LAMP Fellows Program will have trained at least two STEM educators from every one of the State’s 7 community colleges.
By the year 2022, the LAMP Scholars Learning Assistant Program will be providing a hands-on teaching experience in an active learning classroom and a 1-credit pedagogy course to at least 50% of the students earning a post-bacc from the College of Education. In 2018, twelve post-bacc students were admitted into the College of Education Program. If numbers remain equivalent, 50% would translate to 6 LAMP Post-bacc LAMP learning assistants.
By the year 2022, the LAMP Scholars Learning Assistant Program will have provided a hands-on teaching experience in an active learning classroom and a 1-credit pedagogy course to 50 undergraduate students.
LAMP will have supported 50 K-16 educators to attend the Wyoming Department of Education Roadmap to STEAM Conference by 2022.

<table>
<thead>
<tr>
<th>District</th>
<th>Wyoming Town</th>
<th>#LAMP-funded K-12 Educators</th>
<th>Year</th>
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<tr>
<td>Sweetwater</td>
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<tr>
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<td>Riverton</td>
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<tr>
<td>Connections Academy</td>
<td>Private/Online</td>
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<tr>
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<td>Jackson</td>
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<td>Upton</td>
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<td>Torrington</td>
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</tr>
<tr>
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<td>Converse</td>
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<td><strong>TOTAL</strong></td>
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<td><strong>33</strong></td>
<td>2017-2019</td>
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Complete a full social network analysis by 2022