



*Institute for the Study of*  
**KNOWLEDGE MANAGEMENT IN EDUCATION**

# **School Librarians Advancing STEM Learning**

Module #4: *Outreach*

Wednesday, June 7, 2017, 7pm ET / 4pm PT

ISKME 2016:



# Project Team Introductions

## **Professional Learning Academy Team:**

- Amee Godwin, Director, Innovation, ISKME
- Megan Simmons, Education Program Lead, ISKME
- Joanna Schimizzi, Common Core and Science SME
- Lauren Schultz, Charlotte, NC
- Gail March, Londonderry
- Susan Ballard, Granite State

# Today's agenda

- Celebrate our accomplishments
- Share tools and structures for our outreach and advocacy
- Discuss next steps

# Unit Template

1. Unit Title
2. Background on Teacher/LMS relationship
3. Unit Description
4. Standards addressed (assessed)
5. Unit Essential Questions
6. Goals for Unit
7. Success Criteria/Assessment Description
8. Prior Learning
9. Student Outcomes
10. Text Set Description
11. Lesson Breakdown/Pacing, Planning to Co-Teach

**Celebrations!**

# Let's celebrate!

In the chat box, please share one of your accomplishments from the SLASL project connected to:

- *Curriculum and Instruction*
- *Collaboration and Thought Partnership*
- *Open Education Practice*

# Outreach as part of our process

In the chat box, in which ways do you feel that **Outreach** aligns with the Project Goals?

1. Expand traditional roles of librarians and educators
2. Model leadership and collaboration
3. Forge effective partnerships around student learning and engagement
4. Focus on inquiry, and literacy in STEM
5. Understand and experience potential of open educational resources (OER)
6. Use and contribute to a shared digital library and online toolset
7. Advocate for the project in local districts and in the field as a whole
8. Build community of practice around inquiry, instructional shifts, and advancing school librarianship

# Outreach Planning

1. Content of your outreach - ***What*** do you want to share?  
*(links, images, videos, etc.)*
2. Outreach method - ***How*** will you share? *(social media, blog, presentation, etc.)*
3. Outcome - *What action do you hope others will take as a result of your outreach?*

# Outreach Planning - The What and the How



Lauren Schultz @LRSchultzMLIS · May 17

Think your Ss can't do text-based #inquiry in STEM? YES THEY CAN - our 9th graders created THESE inquiries from text #SLASL @CharMeckSchools - at Independence High School

**Improving Water Quality for Increased Access to Clean Water**  
Carney, Ryan, Dean, William, Darrin, Jordan, Mclaughlin, Ryan  
IED Semester 2 Block T  
Independence High School

**Abstract**  
The question: How can water cleaning plants be improved to increase access to clean water?  
Background: The Clean Water Act, to improve quality of water in the United States has greatly advanced. Many countries can't afford to provide the water that is available in them. About 1 billion people die each year due to diseases related to unsafe drinking water. Many countries don't have the money to improve their water. These costs would usually be paid back due to the economic benefits.

**Results**  
The figures below show the amount of investment that the rest have made access to clean water. Investing in clean drinking water for these countries can have many economic benefits such as savings in health care and more productive days. If other countries can share their money to improve their water, these costs would usually be paid back due to the economic benefits.

**Figure 1**  
Bar chart showing investment in clean drinking water for various countries.

**Figure 2**  
World map showing investment in clean drinking water by country.

**Figure 3**  
Pie charts showing the distribution of investment in clean drinking water.

**Methods**  
1. Define Problem  
2. Generate Solutions  
3. Develop a Solution  
4. Construct and Test Prototypes  
5. Evaluate Solution  
6. Present Solution

**Conclusions**  
• Lending money to countries in need of better water is their situation greatly.  
• The economic benefits that come from better water are many times given to countries in need will be paid back.  
• Future research should be put into how countries in need of water quality improvement for themselves, without other countries.

**References**  
1. EPA. Clean Water Act of 1977. (2014). Retrieved from <http://www.epa.gov/cleanwater/clean-water-act>  
2. World Bank. (2014). Retrieved from <http://www.worldbank.org>  
3. World Health Organization. (2014). Retrieved from <http://www.who.int>

You, Kelauda Tennant, Ms. Kristen Ward and 7 others





# Outreach Planning - The What and the How



[Anne Campbell Bucci](#) with Heather Crutchfield Bolick and 13 others.

May 19 at 5:46pm · Charlotte · 🧑🏻‍🤝‍🧑🏻

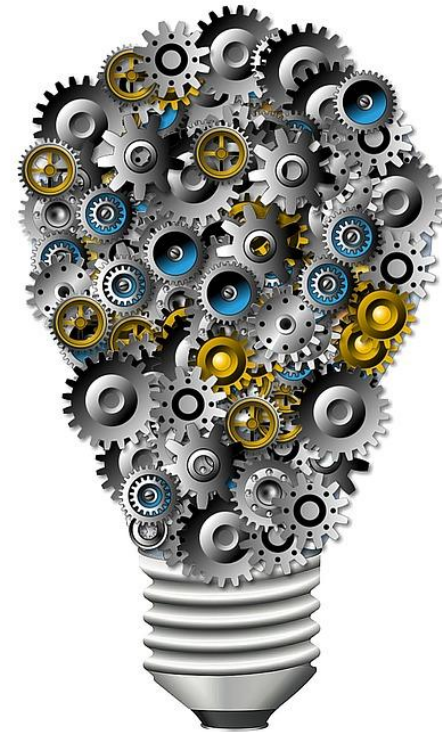
Busy, yet exhausting day as four chemistry and oceanography classes presented their research on ocean acidification showcase style in the Media Center. We had the Chief Academic Officer, Learning Zone Superintendent, School Board Chair, Teaching & Learning Staff along with Media Services, Instructional Technology and my supportive parents. Thank you to my colleagues who visited solo or with classes to show support. Shout out to [Stephanie Flatt Ferron](#) for holding down the fort and keeping me sane. The best part of this project was collaborating with two amazing science teachers with whom I have formed a lasting bond [Tamryn Stark](#) and [Amy Christina](#). You both inspire me! But now to prop up my feet because they really hurt!



# Outreach Planning - Being innovative and engaging with the How

[The NC Discussion Board](#)

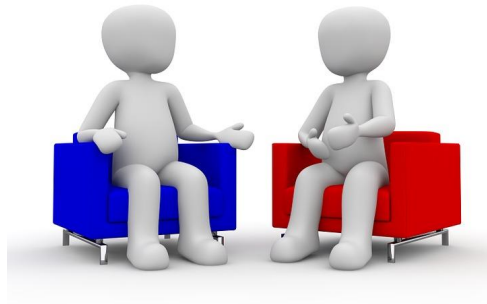
[The NH Discussion Board](#)



<https://pixabay.com/en/photos/innovative/>

# Outreach Planning - Being innovative and engaging with the How

- What is effective in-person advocacy and why would you chose this style?



<https://pixabay.com/en/photos/meeting/>

# Outreach Planning - Being innovative and engaging with the How

- What is effective social media advocacy and why would you chose this style?



<https://commons.wikimedia.org/wiki/File:Socialmedia-pm.png>

## Planning for your advocacy

Plan due June 21st

- LMS and STEM teachers - Each person completes one outreach independently
- LMS - One additional collaborative published outreach

# Final Work Flow - NC

<p><b>September 2017</b></p>	<p><b><u>Webinar 5 - Reflection and Student Work</u></b> <b>Wednesday Sept. 6th 7-8:00pm</b></p> <p>(Complete Template, Parts XII-XIII by Monday September 18)</p> <p>(Participate in feedback cycle during September 18-29)</p>
<p><b>October 2017</b></p>	<p><b>Refine and re-publish final unit by Saturday October 21</b></p> <p><b>Continue advocacy in person and through online social media and communication channels</b></p> <p><b>Complete closing survey by Tuesday October 31</b></p>

# Final Work Flow - NH

<b>September 2017</b>	<p><b><u>Webinar 5 - Reflection and Student Work</u></b> <b>Wednesday Sept. 13th 7:00-8:00pm</b></p> <p>(Complete Template, Parts XII-XIII by Monday September 25th)</p> <p>(Participate in feedback cycle during September 26th - Oct. 9th)</p>
<b>October 2017</b>	<p><b>Refine and re-publish final unit by Saturday October 15th</b></p> <p><b>Continue advocacy in person and through online social media and communication channels</b></p> <p><b>Complete closing survey by October 15th</b></p>



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