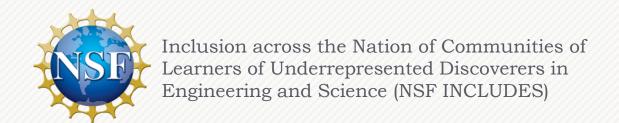
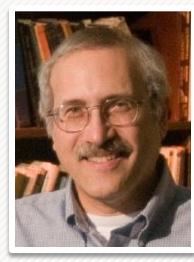
EVALUATING SOCIAL MEDIA IMPACT in NSF INCLUDES Projects

Multi-Scale Evaluation in STEM Education





* MEET YOUR MODERATOR



Louis J. Gross, PhD

Founding Director, NIMBioS

Professor of Ecology and Evolutionary Biology and Mathematics, University of Tennessee, Knoxville



WHO IS THIS PRESENTATION FOR?



Principal
Investigators
of NSF INCLUDES Pilot
Projects



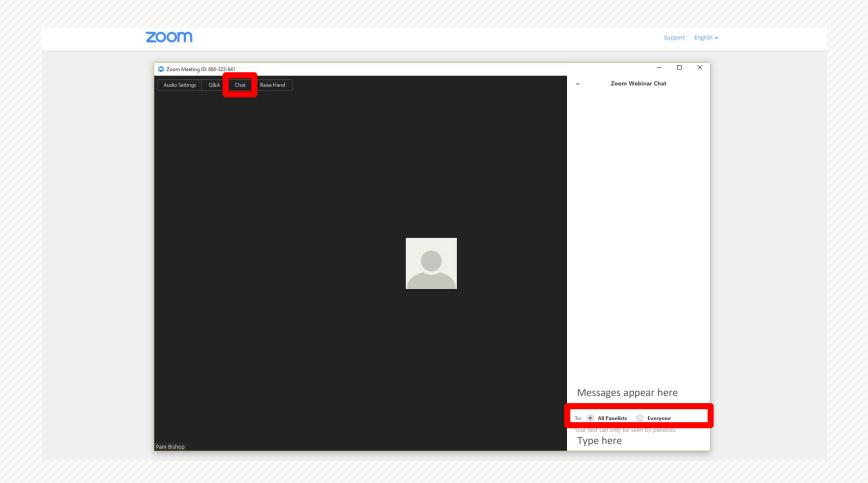
STEM Educators
planning to submit
INCLUDES Alliance
Proposals



STEM Educators
interested in learning
more about evaluating
program success



HOW TO INTERACT TODAY



MEET YOUR PRESENTERS



Pam Bishop, PhD
Director, National Institute
for STEM Evaluation and
Research (NISER)

Associate Director for STEM Evaluation, National Institute for Mathematical and Biological Synthesis (NIMBioS)



Sondra LoRe, EdS

Evaluation Associate, National
Institute for STEM Evaluation
and Research (NISER)



† TODAY'S PRESENTATION

- **❖** What is NSF INCLUDES?
- Why talk about Social Media in evaluation?
- How to plan and measure the value of Social Media
- The 3 V's of evaluating Social Media
- Experiential learning w/case studies
- Logic in Social Media evaluation
- Questions and comments
- How to learn more



* WHAT IS NSF INCLUDES?

- Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science
- Three essential components:
 - Design and Development Launch Pilots (DDLPs)
 - National Network Coordination Hub
 - Alliances







KEY ELEMENTS OF COLLABORATIVE INFRASTRUCTURE

- Vision
- Partnerships
- Goals & Metrics
- Leadership & Communication
- Potential for Impact Expansion & Scale





WHY TALK ABOUT SOCIAL MEDIA IN EVALUATION?

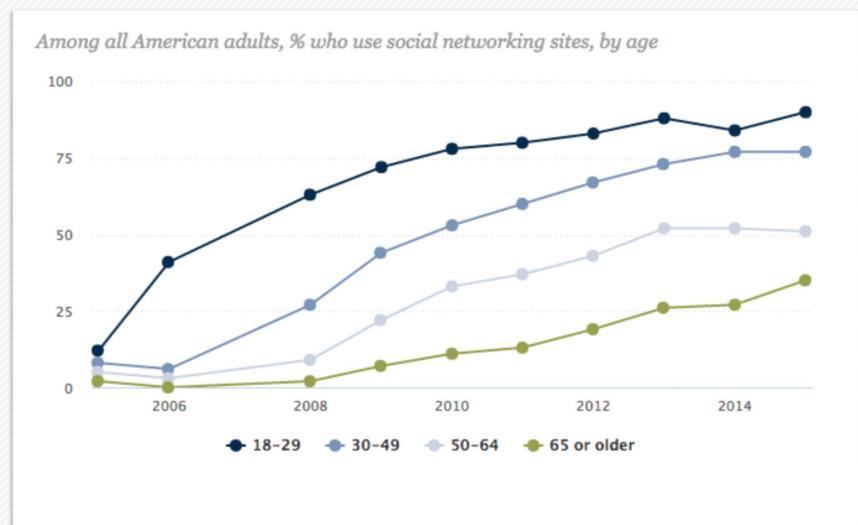
Over 90% of Americans between the ages of 19-29 use Social Media

Nearly 80% of Americans between the ages 30-49

Over 50% of Americans between the ages 50-64

Nearly 40% of Americans older than 65 are using social media.

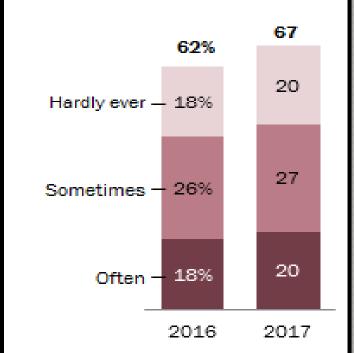




Source: Pew Research Center surveys, 2005-2006, 2008-2015. No data are available for 2007.

In 2017, two-thirds of U.S. adults get news from social media

% of U.S. adults who get news from social media sites ...

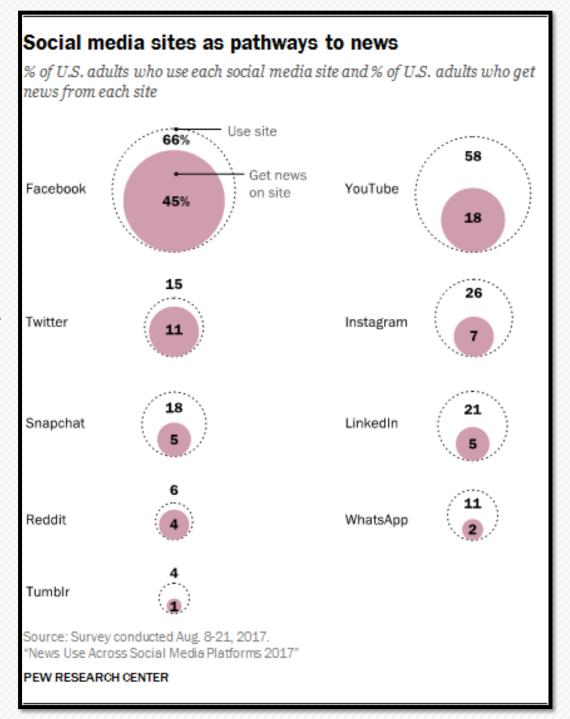


Source: Survey conducted Aug. 8-21, 2017. "News Use Across Social Media Platforms 2017"

PEW RESEARCH CENTER

Social Media

News

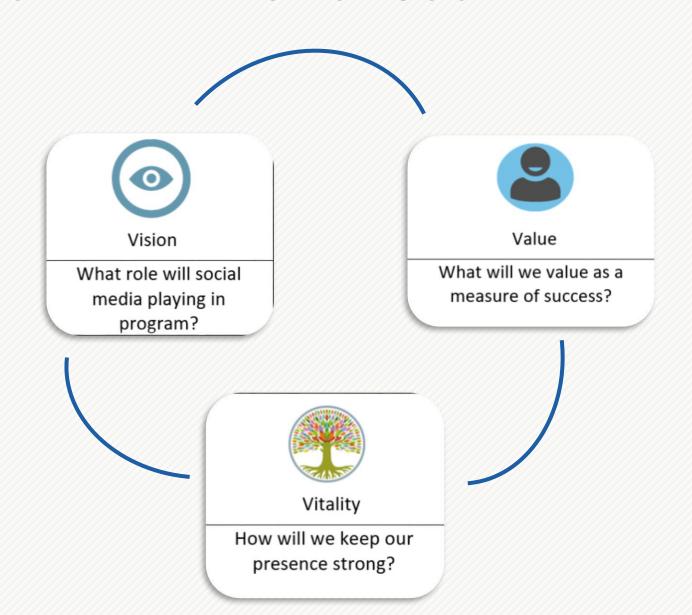


+ HOW TO PLAN AND MEASURE THE VALUE OF SOCIAL MEDIA

1) The 3 V's of social media evaluation

Experiential learning w/case studies

3) Logic in Social Media evaluation



EXAMPLE PROJECT



- Encourage students to spend weekends on campus
- ☐ Engage & inform parents
- ☐ Connect students from both participating campuses
- ☐ Share sample career and research opportunities in STEM
- ☐ Encourage a dialogue

ASPIRE scholarship



Vision



Value



Vitality

What role will social media playing in program?

Inform parents about what is happening at school

Promote the program through "shares" on newsfeeds

Entice students to stay on campus through weekend activities

What will we value as a measure of success?

Increase in Facebook "Likes" and "Follows" on Twitter

"Post clicks" from social media posts will lead to increased traffic on the project website. (Google Analytics)

Applications and graduation rate for enrollment in program increases

How will we keep our presence strong?

Team leaders and faculty will make a regular practice of taking and sharing photos and events with a school admin.

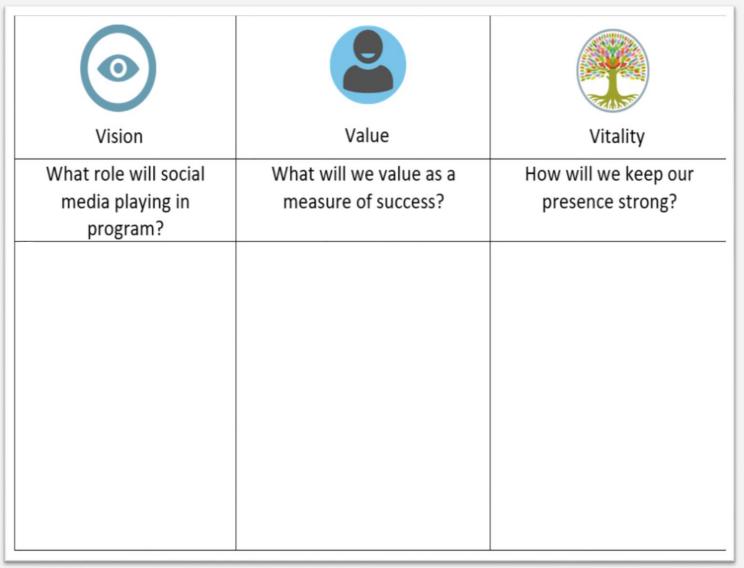
Start a parent Facebook group

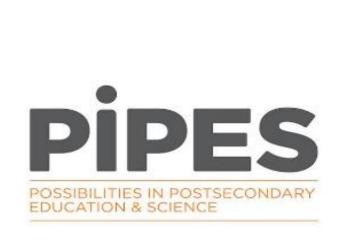
Pay to boost posts for school events

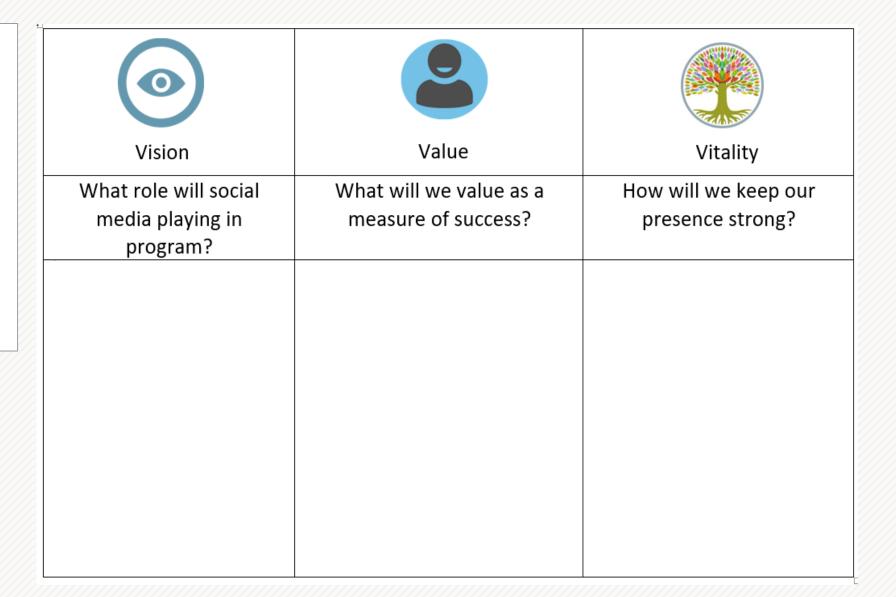
Cross posting: 1.) Remind App to inform students of events. 2) Instagram at student events

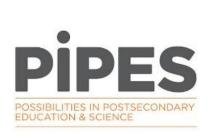
+ Evaluation Design Challenge

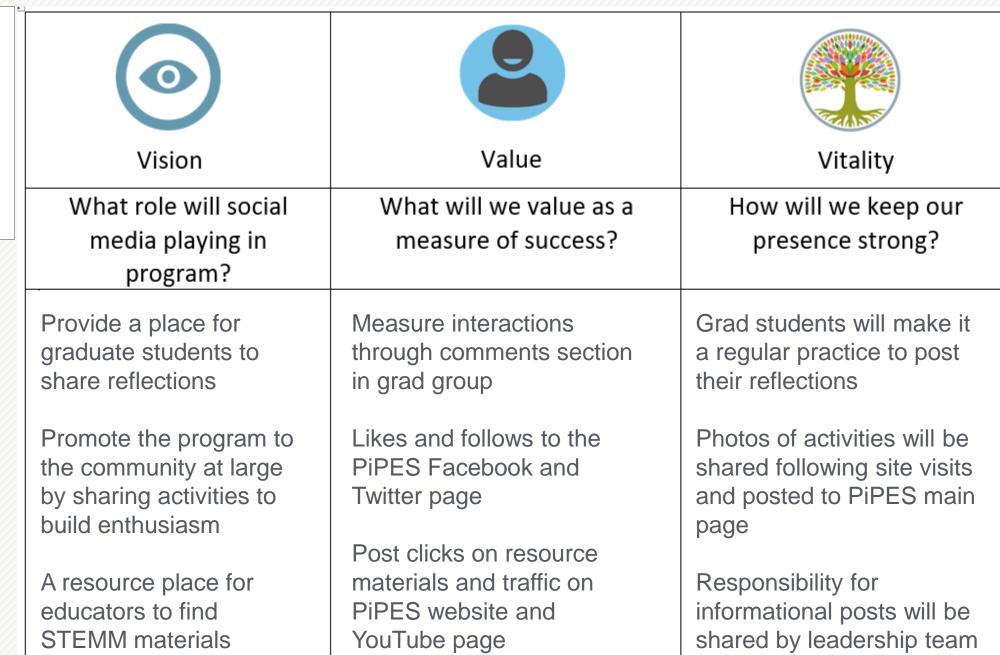
- 1. Listen while we read an example project.
- 2. Imagine you are either leading this project or evaluating it.
- 3. Think about your ideas for 3V.
- 4. Type some ideas into the chat box.









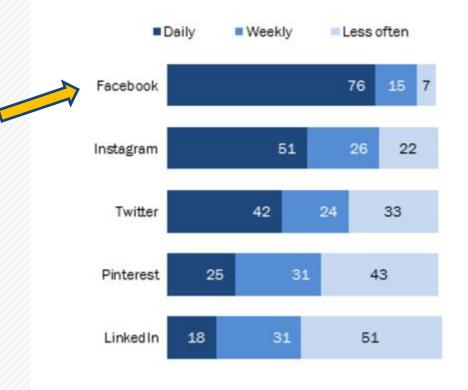


Merit and worth for your stakeholders



Three-quarters of Facebook users and half of Instagram users use each site daily

Among the users of each social networking site, % who use these sites ...



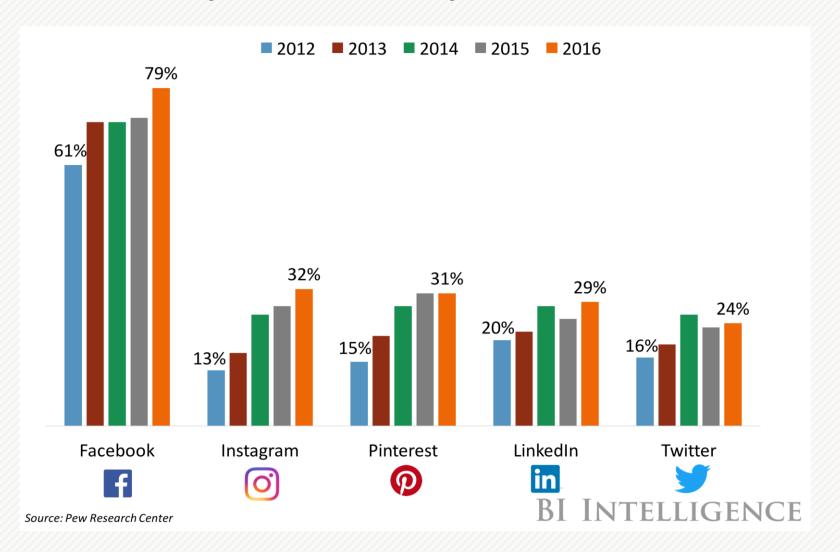
Note: Do not know/refused responses not shown. Source: Survey conducted March 7-April 4, 2016.

"Social Media Update 2016"

PEW RESEARCH CENTER



Percentage of internet users who use each social media service (US Adults)



LOGIC MODEL FOR SOCIAL MEDIA USE

Inputs

Outputs

Immediate Outcomes

Intermediate Outcomes

Strategic Outcomes











Resources

Activities

Development

Reputation

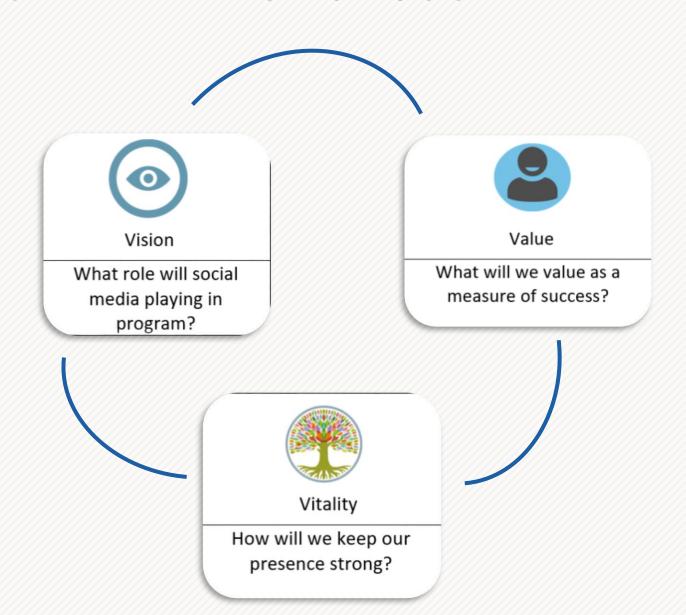
Social Accountability

+ HOW TO PLAN AND MEASURE THE VALUE OF SOCIAL MEDIA

1) The 3 V's of social media evaluation

Experiential learning w/case studies

3) Logic in Social Media evaluation



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HOW TO LEARN MORE

ATTEND OUR FUTURE WEBINARS!: www.nimbios.org/IncludesConf

March 1 Program Models as a Tool for Scaling Up NSF INCLUDES Projects

April 5 Engaging Diverse Populations in Evaluations of NSF INCLUDES Projects

May 3 Qualitative Data in Culturally Rich Evaluations of NSF INCLUDES Projects Evaluation

June 7 Strategies for Measuring the Broader Impacts of NSF INCLUDES Projects

NISER Resources



stemeval.org



Facebook.com/NISERevaluation



Contact us!



pbaird@utk.edu



sondra@utk.edu



Thank you!



Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

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