

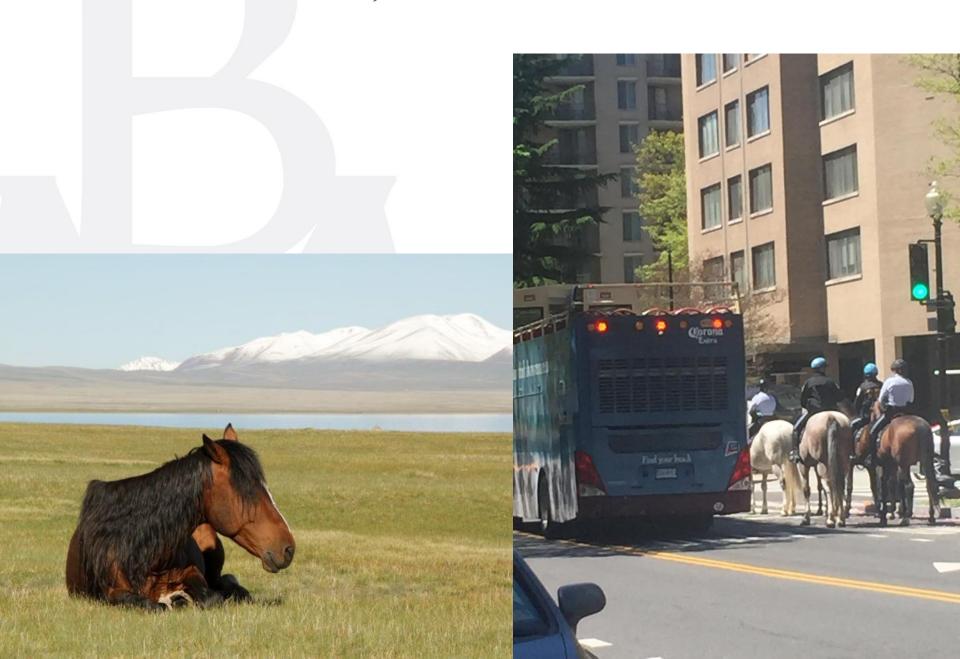
AMICAL 2018 / American University of Central Asia Gina Siesing, Chief Information Officer & Constance A. Jones Director of Libraries



It's a small, interconnected world!



It's a small, interconnected world!



It's a small, interconnected world!







Digital Competencies at Scale in the Liberal Arts

REFLECTION QUESTIONS FOR BACKWARDS DESIGN...



• What forms of digital literacy do you use in your everyday work and life?

How have these changed over time?



• What in your formal education prepared you to develop digital literacies?

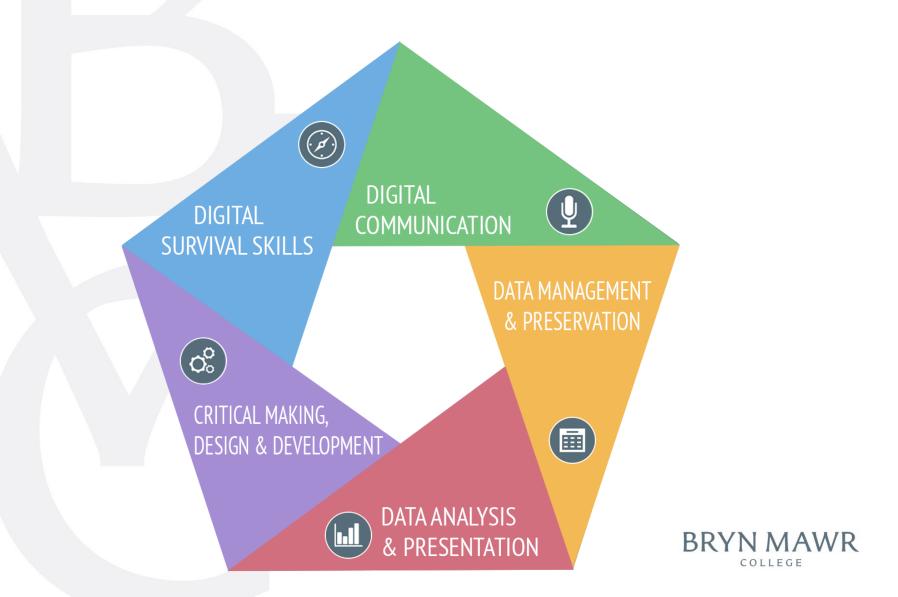


Digital Competencies at Scale in the Liberal Arts

STUDENTS AT THE CENTER



The Framework at a Glance



The Framework at a Glance

- Learning how to assess your information needs, identify appropriate digital information sources and finding aids, and recognize when digital and digitized sources are inappropriate or insufficient.
- Developing a critical understanding of how search engines and algorithms work, how to use them
 effectively, and their limitations and appropriate use contexts.
- Developing a critical understanding of how common indexing schemes work, how to use them
 effectively, and their limitations and appropriate use contexts.
- Learning to find and use database- or site-specific filters and Boolean, wildcard, or other specialized search functions to effectively refine searches.³

2. Digital Communication

2.1 Collaborative communication

Developing this competency involves:

- Becoming familiar with and comfortable using a range of digital collaboration tools, such as filesharing systems, collaborative editing and annotation tools, discussion forums, blogs, online chat, or web-conferencing.
- Learning how to effectively and conscientiously use these tools to work with others both synchronously and asynchronously.
- Developing critical perspectives and skills needed to co-create knowledge.
- Valuing user-generated content and evaluating contributions made by others.⁴

2.2 Digital writing and publishing

Developing this competency involves:

- Learning to effectively use digital word processing software to produce complex, professional, printed documents. Depending on your major and interests, this may involve learning:
 - To typeset mathematical or scientific formulae (e.g., with LaTeX)
 - o To type and proof documents in multiple languages
 - To provide references in footnotes or endnotes.
 - To embed, format and caption images, charts, or tables
- Becoming familiar with and comfortable using textual mark-up languages, such as HTML, Wiki Markup, Markdown, LaTeX, XML, and MathML.

To see how the digital competencies project is being realized at Bryn Mawr College, go to

brynmawr.edu/digitalcompetencies

The framework was revised in October 2016.



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Citation

Bryn Mawr College, "Bryn Mawr Digital Competencies Framework" (2016). Blended Learning Research and Open Educational Resources. 3.

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This paper is posted at Scholarship, Research, and Creative Work at Bryn Mawr College. https://repository.brynmawr.edu/oer/3

For more information, please contact repository@brynmawr.edu.

Bryn Mawr Digital Competencies Framework

The digital competencies articulated here provide a framework intended to help individual Bryn Mawr students:

- · Identify the digital skills and critical perspectives they will need to be 21st century leaders,
- Seek curricular and co-curricular opportunities to hone those skills and perspectives while at Bryn Mawr College,
- · Develop ways of articulating and demonstrating their competencies to various audiences.

The framework is designed to be comprehensive and suggestive, but not a checklist that all students must



² "Information Has Value." Framework for Information Literacy for Higher Education.

^{3 &}quot;Searching as Strategic Exploration." Framework for Information Literacy for Higher Education.

⁴ "Information Has Value" and "Scholarship as a Conversation." Framework for Information Literacy for Higher Education.

The Framework at a Glance



https://repository.brynmawr.edu/oer/3/



Students as Program Design Partners

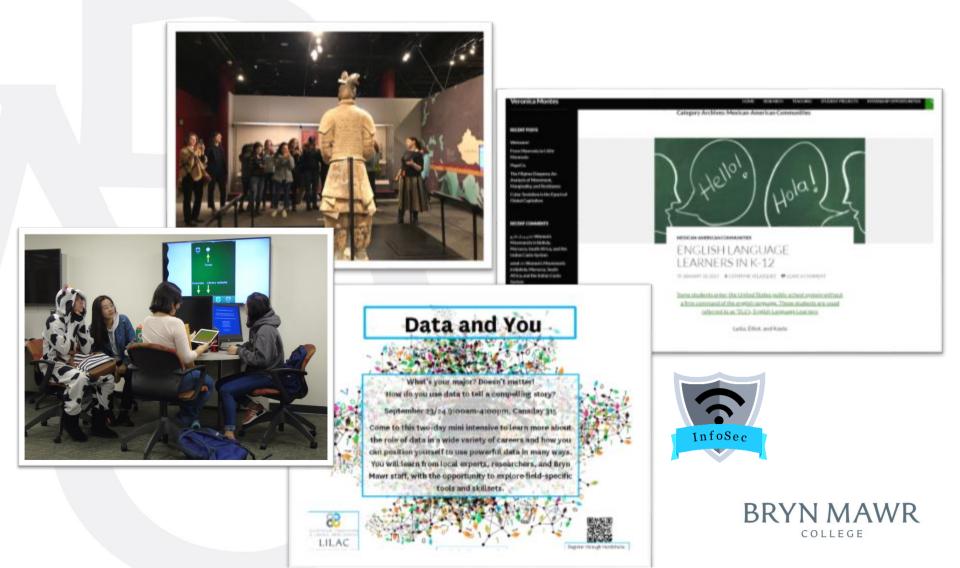


BRYN MAWR



Many Pathways to Success

Curricular and Co-Curricular Partners Ensure Robustness





Liberal Arts Focus

• Reflect > Build > Articulate > Iterate!

"These are things you do every day, in your rooms, your dorms, your club activities. The only difference is doing it consciously."

—Leslie Goloh (BMC 2019)

• Competencies include metacognition, design thinking, digital scholarship, *critical* audiovisual production



Focus on Women's Empowerment





Focus on Women's Empowerment

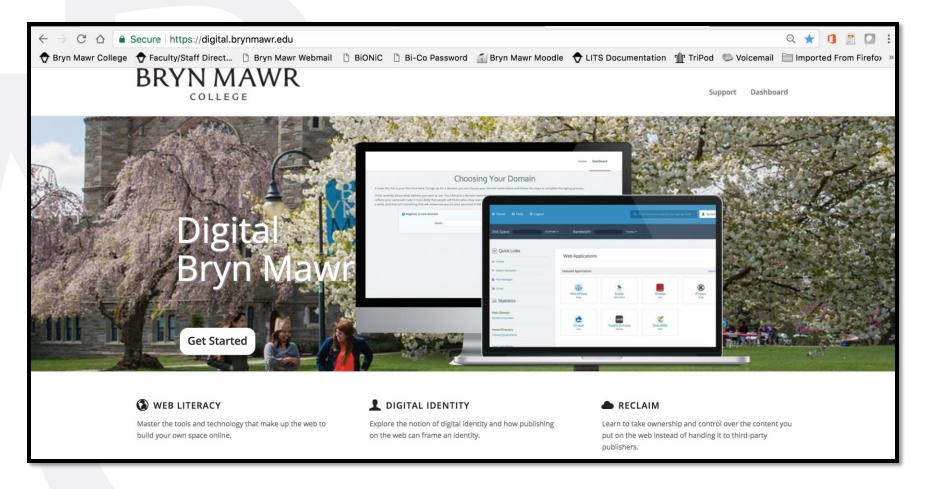


← Key allies in Career Peers ...

... and Engineers and Makers Club →



digital.brynmawr.edu – A Domain of One's Own





digital.brynmawr.edu – A Domain of One's Own



Example Portfolio

Digital Competencies at Scale in the Liberal Arts

WHY NOW? WHY THIS?



The "MOOC Moment"

- Digital Bryn Mawr Task Force
- Blended Learning in the Liberal Arts study

Digital Bryn Mawr Task Force Final Report

April Board Meeting 2014

Executive Summary:

The Digital Bryn Mawr Task Force process has served the institution well. The process catalyzed broader understanding of the fast-evolving technology terrain, helped to raise awareness of things that were underway already on campus, and facilitated movement toward more agile practices, where members of the community are continuously learning and experimenting in order to keep pace with the opportunities and challenges represented by technological advances. As we shift to operationalizing the Digital Bryn Mawr priorities, we have achieved strong momentum on campus for pursuing the goals articulated in the Task Force report.

Three high-level goals inform the Digital Bryn Mawr priorities and the metrics we will use to assess progress toward realizing the Digital Bryn Mawr vision:

- 1. Enable digital fluency for students, faculty and staff
- 2. Continue to develop appropriate uses of technology for the liberal arts context
- 3. Experiment, assess, learn, iterate strive to be agile

The specific Digital Bryn Mawr objectives are focused in these areas of priority:

- 1. Academics
- 2. Digital External Relations
 - a. Undergraduate Recruitment
 - b. Alumnae/i Engagement
 - c. Marketing & Communications
- 3. Foundations for Digital Bryn Mawr



The report includes three tables:

Importance for Mission as a Liberal Arts College

- Kimberly Cassidy and Gina Siesing, "Solving the Work Force's Skills Gap," *Inside Higher Ed*, November 9, 2017
- Grace Belfiore and Dave Lash, "<u>Creative Know How: Competencies for Student Success in a World of Change</u>," *EDUCAUSE Review*, March/April 2018.
- Timothy Aubry, "Don't Panic, Liberal Arts Majors. The Tech World Wants You" New York Times, August 21, 2017.
- Goldie Blumenstyk, "<u>Liberal-Arts Majors Have Plenty of Job Prospects, if They Have Some Specific Skills, Too</u>," *Chronicle of Higher Education*, June 9, 2016.
- Matthew Sigelman, "Getting Past the Lazy Debate," *Inside Higher Ed*, February 8, 2016.



Importance for Mission as a Women's College

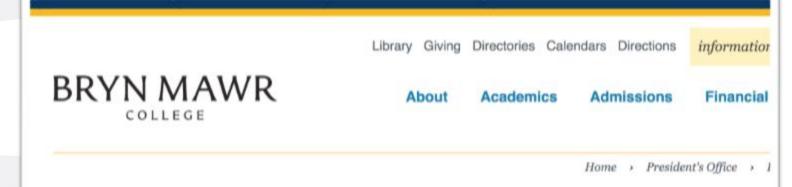


Digital Competencies at Scale in the Liberal Arts

ALL OF US IN SUPPORT



Links to Mission & Strategy



Represented among the President's Strategic Initiatives →

President's Office

President Kim Cassidy

Presidential Initiatives

Research and Academic Excellence

Digital Bryn Mawr

Community of Belonging

Selected Speeches and Writings

President's Blog

Senior Staff and President's Office Staff

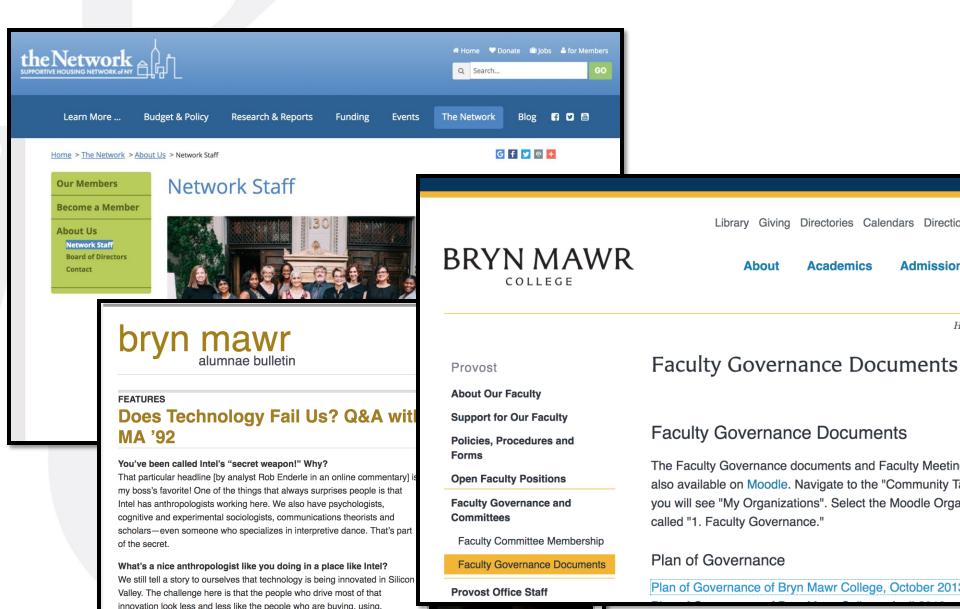
Past Presidents

Digital Bryn Mawr



Under President Cassidy's leadership, beginning during her tenure as provost, Bryn Mawr has been a pioneer in blended learning in the liberal arts, bringing 40+ partner institutions together through Next

Stakeholder Buy-in

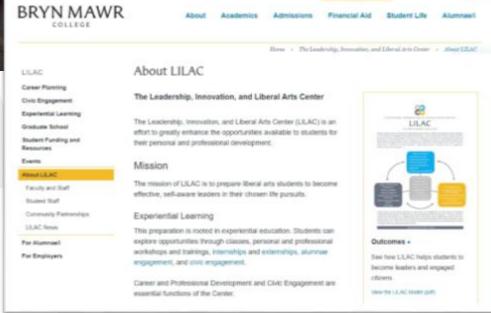


Building on Existing Strengths



LILAC as Parallel Model and Program Ally

Blended Learning in the Liberal Arts



Leveraging Campus Partnerships

Faculty

Departmental Outreach
Faculty interviews
Faculty seed grants
CLIC/Curriculum

Dean's Office

First-Year Programming
Study Abroad

LILAC

Alumnae Talks
Career Peers
Intensives
Sophomore Plan
Summer Internship Program

President & Senior Staff



Development and Alumnae/i Relations

Communications

Admissions Office

Prospective Students
Admitted Students

LITS

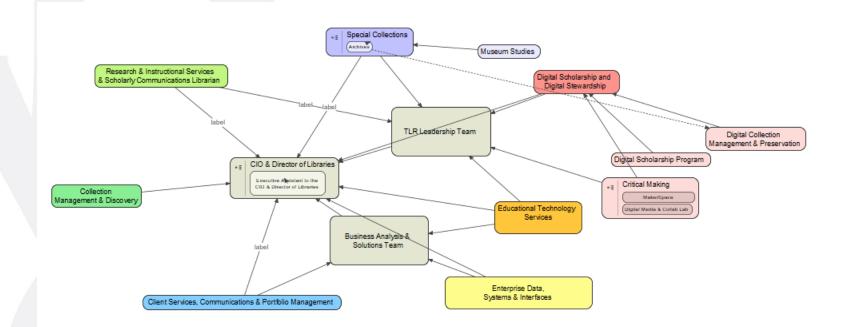
Blended Learning
Digital Scholarship
Information Literacy
Information Security
Tech Talks

Institutional Research

Senior Exit Surveys Alumnae/i Surveys



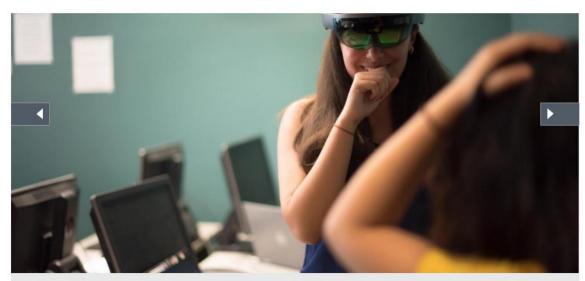
Organizational Transformation





Providing a Map to Opportunities

Digital Competencies



September Newsletter

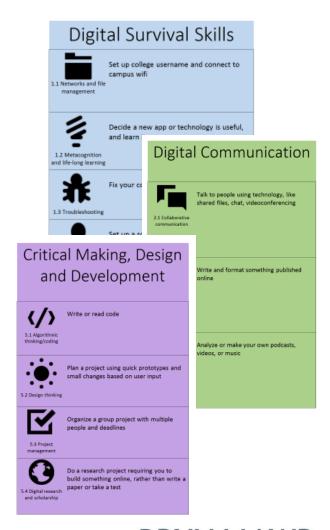
Find out upcoming events, the Competency of the Month, and a fun way you can build your skills this month.

Building 21st Century Skills in a Small Liberal Arts College Setting

We know that being able to work digitally and, more importantly, being able to tell a convincing story about their digital competencies helps undergraduates launch their careers. The Digital Competencies initiative helps students forge a meaningful path from their first-year college orientation course through to their senior year career planning. Using a framework of skills ranging from basic computer survival skills all the way to advanced techniques in data, digital communication, and critical making, students surface opportunities to build their digital

Upcoming Events

- Tech Talk: Reports from Our Digital Summers
- 4:00pm 5:00pm September 19, 2017
- Data and You Intensive
 9:00am 4:00pm September 23,
 2017
- Data and You Intensive





Integration with Innovation Funding

Academics

Directories Calendars Directions



Admissions

Home -> Library & Information Technology Services -> Digital Bryn Mawr Seed Grants

information for...

Financial Aid

Google Custom Search

Student Life

Q

Alumnae/i

LITS

About

Exhibitions & Events

Libraries & Collections

Projects & Partnerships

Blended Learning in the Liberal Arts

Digital Bryn Mawr Seed Grants

Digital Competencies

Digital Scholarship

Information Literacy

Information Stewardship

Digital Bryn Mawr Seed Grants

LITS invites Bryn Mawr faculty, for seed grants to support digita activities—broadly construed.

Library Giving

About

Digital Bryn Mawr seed grants a with digital technologies, regard or expertise. We welcome proposeasoned experts, and everyon projects in a range of stages or that is still in the discovery phas prototype or pilot for a competiti We may provide full or partial su

7. What is your proposal primarily for? *
course
academic research
event
oprofessional development
Other

8. What digital competencies do the activities in this proposal help students gain? (https://www.brynmawr.edu/digitalcompetencies) *

Enter your answer

Building in Assessment

- Metrics for Success

 — Board-level tracking via
 Strategic Directions and Program-level
 tracking for continuous improvement
- Students Articulating Compelling Stories
- Two purposes:
 - Is the program working for students?
 - Are levels of awareness, excitement, and institutional support growing?



Outcomes We're Assessing:

- 1. Bryn Mawr College undergraduates graduate with the digital competencies needed to be effective in their chosen fields of pursuit, an awareness of their competencies, and the ability to articulate their competencies to a range of audiences.
- 2. Bryn Mawr College graduates gain a reputation for being prepared to succeed in fields involving digital technology, regardless of their major fields of study.
- 3. Prospective students and their parents consider Bryn Mawr College attractive because of our attention to digital competencies within the context of a traditional, rigorous liberal arts education.



Assessment and Iteration: Leading and Lagging Indicators

Digital Competencies Metrics

1/30/17 (updated 4/24/17; status notes 7/3/17)

Goals

- Bryn Mawr College undergraduates graduate with the digital competencies needed to be
 effective in their chosen fields of pursuit, an awareness of their competencies, and the ability to
 articulate their competencies to a range of audiences.
- Bryn Mawr College graduates gain a reputation for being prepared to succeed in fields involving digital technology, regardless of their major fields of study.
- Prospective students and their parents consider Bryn Mawr College attractive because of our attention to digital competencies within the context of a traditional, rigorous liberal arts education.

Leading Indicators

- Beginning in FY18, all entering undergraduates will be introduced to the Digital Competencies
 Framework during first-year programming such as Customs Week orientation or Thrive. We
 will be introducing the Digital Competencies Program to all first-year students during
 Customs Week and as part of THRIVE.
- Number of unique undergraduates who have reflected on their digital competencies as part of a LILAC summer internship funding experience:
 - O By the end of FY18, at least 100 We are on target to meet goal for FY18. Educational Technology Services has been testing programming with the team's 5 summer interns and with Digital Scholarship's 4 summer digital fellows. In the meantime, Beth Seltzer from LITS/ETS has been working with Dayna Levy in LILAC on getting a digital competencies-related question into the fall LILAC Summer Intern Career Fair programming, which will reach 100-120 students. Dayna has drafted a question on technical skills which ~110 students will answer as part of the LILAC Student Funding

Assessment and Iteration: Opportunities for Students to Self-Assess

How would you describe yourself?



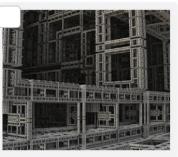
Someone who knows how to fix things



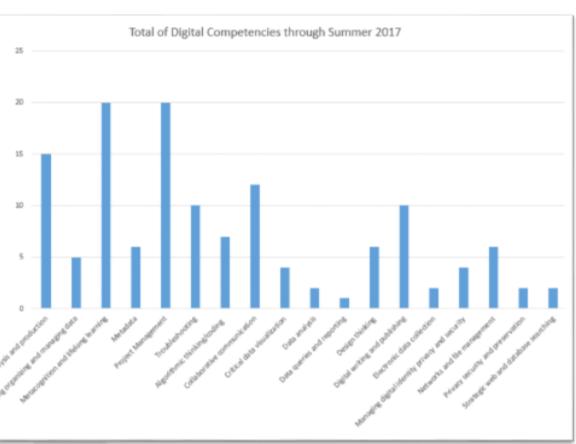
Someone with a story to tell



Someone who knows how to find the answers



Someone who likes making things





Digital Survival Skills

Metacognition and

life-long learning

How you use it	Interested in Learning More?
	Notes:
	Not interested Very interested <>
	Notes:
	How you use it

S.T.A.R.: State the Situation and your Task, describe the Action that you took, and then sum up the Result.

Digital Communication

- 2.1 Collaborative communication: Edit collaboratively Post on online message boards Chat and make video calls online
- 2.2 Digital writing and publishing: Write and format blogs Make interactive documents Maintain a website and/or personal or professional social media accounts
- 2.3 Audiovisual analysis and production: Analyze image/film/audio Tell stories through podcasts or videos

Tell me about a time when you had to build an important relationship.

Tell me about a time when you had to make an important presentation.

Tell me about a time when you were responsible for promoting/marketing an event or product.

.....

Assessment and Iteration: Telling Compelling Stories

Library Giving Directories Calendars Directions

information for...

Google Custom Search





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Academics

Admissions

Financial Aid

Student Life

Alumnae/i

Home > Digital Competencies > Stories

Digital Competencies

What They Are

Why They Matter

How You Build Them

Stories

About the Initiative

Get Involved!

Stories

This section includes interviews with students, course highlights, opportunities for students/staff/faculty, and a monthly newsletter on Bryn Mawr Digital Competencies Initiative happenings, on campus and beyond.



Happy File Fitness Month! Posted April 3rd, 2018

Time to spring clean your files!



WEB LITERACY

Master the tools and technology
that make up the web to build
your own space online.

■ DIGITAL IDENTITY Expires the nation of digital identity and how publishing on the seb-can frame on identity.

Example take ownership and control over the content you put on the web instead of hunding it to this control of hunding it.

Spotlight on

Domain of One's Own >

Bryn Mawr students, faculty and staff have access to Digital Bryn Mawr, a site for free experimentation with the web's

New Digital Competencies Video!

Posted March 28th 2018

In Their Own Words: Students on the Digital Competencies

Augmented Reality for Women's Empowerment

2:24 / 5:04

ATHENA



A Framework for Articulation of Capabilities

BRYN MAWR

Digital Competencies at Scale in the Liberal Arts

DESIGN THINKING SPEED ROUND



Why digital literacy *now* for your institution?



BRYN MAWR

What forms of digital literacy do your students need most?





What is your "North Star"* as you design and build your program?



* Thanks to Sundi Richard and Kristen Eshleman of Davidson College for introducing us to this way of thinking about the value proposition!



What existing ingredients can you build upon?





Who are your key campus and consortial partners?





How will you know that you are successful?





Takeaways & Open Questions

 What energizes you most as you think about next steps in building your digital literacy program?

 What questions do you have as you imagine the future for digital competency programs in the liberal arts?



Two Invitations:

1. Help to annotate the <u>BMC Digital</u>
<u>Competencies Framework</u> this month via
<u>hypothes.is</u> with US liberal arts peers in
<u>LACOL</u> (I can share the invitation via Jeff for details).

2. Join us at Bryn Mawr for the annual Blended Learning in the Liberal Arts

Conference.

BRYN MAWR

Thank you!

Gina Siesing

Chief Information Officer & Constance A. Jones

Director of Libraries

gsiesing@brynmawr.edu

www.brynmawr.edu/digitalcompetencies digicomp@brynmawr.edu

