



D. Professional Development: Teaching & Learning **FUSION**

What is FUSION?

By definition FUSION is the process or result of joining together two or more things together to form a single entity. Here is where the Howard Professional Learning Model comes into play. It's taking teaching, standards, content and pedagogy, and fusing it with technology to create new learning environments where students are engaged in daily instruction. Using research-based instructional strategies as a framework for infusing technology helps teachers address the level of understanding for which they are aiming rather than the content area they are covering. In this way, teachers begin to think about using technology as a vehicle to facilitate student understanding rather than an embellishment within a specific content area.

Fusion refers to radical and revolutionary changes in thinking, products, processes, or organizations. That's our goal! To help teachers think about new ways to help students learn and achieve using the tools that exist in their classroom! Additionally, our success comes in helping teachers use technology for real learning, and as a result the professional learning leads to a more thoughtful and infused use of the tools available to teachers in the classroom.

Leading Questions

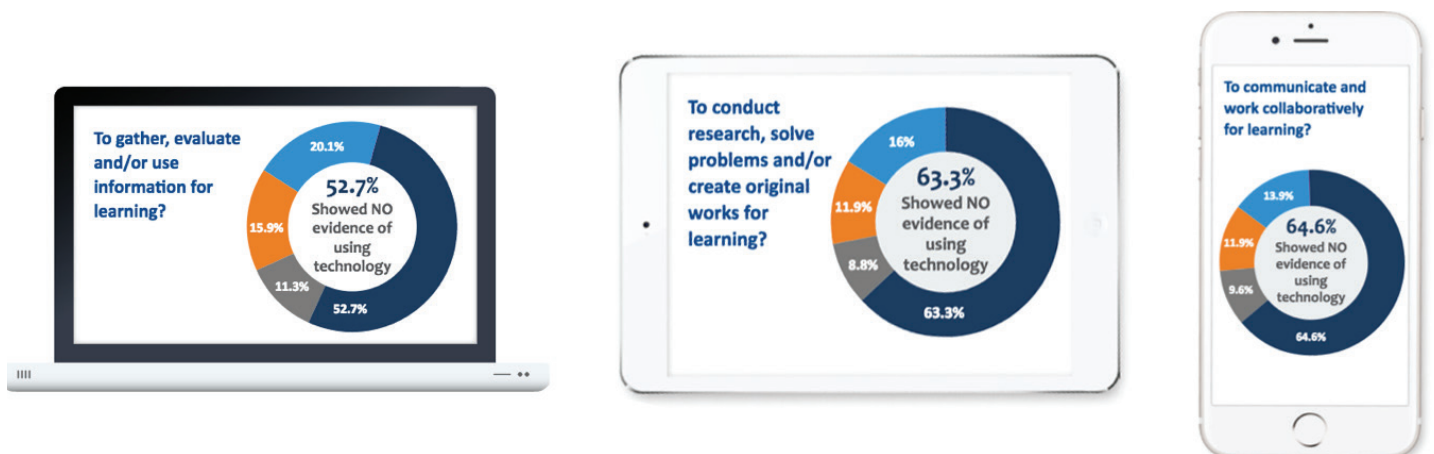
- What are you doing to create 21st Century Learning Environments?
- How are students engaging with the technology you've purchased?
- What is the greatest need of teachers to incorporate technology in daily instruction?
- When walking through your school(s), what do you see students 'doing' with the technology?
- What are you as a leader in your school/district doing to help make Digital Age learning opportunities available to your students and teachers?
- How do you as a leader assess technology usage in your classrooms?

What the research says:

AdvancED released a study based on 144,000 classroom observations.

http://www.advanc-ed.org/sites/default/files/AdvancED_eleot_Classroom_Tech_Report.pdf

The results are below:





Funding Opportunities

School Improvement Grants (SIGs), authorized under section 1003(g) of Title I of the Elementary and Secondary Education Act of 1965 (ESEA), are grants to state educational agencies (SEAs) that SEAs use to make competitive subgrants to local educational agencies (LEAs) that demonstrate the greatest need for the funds and the strongest commitment to use the funds to provide adequate resources in order to substantially raise the achievement of students in their lowest-performing schools. <https://www2.ed.gov/programs/sif/index.html>

Title I, Part A: Improving Basic Programs — provides funds to assure that children in high-poverty schools meet challenging achievement standards. These funds can often be used to support supplemental programs, technology, and teacher training. <http://www2.ed.gov/programs/titleiparta/index.html>

Title II, Part A: Improving Teacher Quality — provides funds to increase the number of high-quality, effective teachers and principals. Funds can be used for a variety of purposes, including professional development, such as ongoing training that helps teachers understand academic subjects, new teaching strategies, and how to help students meet high academic standards. The funds are granted to state agencies and then distributed to districts by a funding formula. <http://www2.ed.gov/programs/teacherqual/hqt.html>

Title II, Part B — funds competitive grants intended to increase academic achievement of students in mathematics and science by enhancing the content knowledge and instructional skills of their teachers. Partnerships between high-need school districts and STEM departments of higher education are at the core of these efforts. <http://www2.ed.gov/policy/elsec/leg/esea02/pg26.html>

Title III: Language Instruction for LEP and Immigrant Students — provides funds for Limited English Proficiency (LEP) children by helping them learn English and challenging academic content. Title III funds are intended to support professional development and curriculum, including technology and supplemental programs. <http://www2.ed.gov/about/offices/list/oela/index.html>

Private Funding

Foundation Center

www.foundationcenter.org Foundation Center is the central resource for research on private foundations nationwide. It provides a comprehensive, searchable database to identify funders by region, funding area, and other key criteria.

Grantmakers for Education

www.edfunders.org Grantmakers for Education is the nation's largest and most diverse network of education grantmakers dedicated to improving educational outcomes and increasing opportunities for all learners. You will find links to foundations dedicated specifically to education here.

Community Foundations

<http://www.cof.org/foundation-type/community> — foundations Community foundations are grantmaking public charities that are dedicated to improving the lives of people in a defined, local, geographic area. They bring together the financial resources of individuals, families, and businesses to support effective nonprofits in their communities. Community foundations vary widely in asset size, ranging from less than \$100,000 to more than \$1.7 billion. The Council on Foundations provides a searchable resource to locate such organizations.



Private Funding (cont'd)

Grant Wrangler

<http://www.grantwrangler.com> Grant Wrangler is a site that aggregates grants that are available for teachers. Grants are divided by category such as STEM Grants, Technology, Arts and Humanities, etc.

eSchoolNews

<http://www.eschoolnews.com/category/funding/grants-and-funding/> This online publication provides information about a wide variety of education technology information, and also has a section that highlights related funding opportunities.

GrantSelect

<http://www.grantselect.com> GrantSelect is a powerful online database which lists thousands of grant programs from numerous unique sponsors.

Elevator Pitch

Level I: What We Do

Howard's Fusion Professional Learning provides teachers with on-site, in the classroom professional development that infuses technology into everyday instruction.

Level II: How We Do It

The Fusion Model provides teachers with model lessons, rooted in their content and standards, along with professional learning and lesson development by experienced Fusion Coaches. These coaches also provide co-teaching opportunities for participants along with ongoing support and mentoring throughout the process, giving teachers more experience and buy-in throughout the process of creating engaging learning environments.