Blended Learning-
Strategies to Support Student Learning

Mark A. Engstrom
January 25, 2017
Who Are We?

- Name
- School
- Position
- Experience with Blended/Personalized Learning
- Goals/Expectations for the workshop
Mark’s story

- 15 year full-time classroom teacher

  - differentiation

  - assessment options

  - intentional balance of lecture, assignments, projects, homework
Mark’s story

- 2011 Lausanne Laptop Institute- now Lausanne Learning Institute

- 2011- started blending my class

- 2012- Designing a New Learning Environment MOOC

- 2013- Blended Learning MOOC (Coursera)
“In a traditional academic model, the time allotted to learn something is fixed while the comprehension of the concept is variable. Washburne was advocating the opposite. What should be fixed is a high level of comprehension and what should be variable is the amount of time students have to understand a concept.”

— Salman Khan, The One World Schoolhouse: Education Reimagined
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- assessment options

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I felt strongly that I had been doing my students a disservice!
Mark’s story

- Silvia Tolisano

- AASSA Conference 2014

- Teacher Training Center- Blended Learning Online

  Discussion Board Moderator- 2014
Mark’s story


- **Blending Alone** blog post

- AASSA/ISM/AISA Conferences
Mark’s story- now

- Head of MS/US at Allen Academy in Bryan, Texas, U.S.A.

- Work with individual schools and conferences!
Rhythm of the Day

- Session 1- Origins, Models and Research
- Session 2- Day 2- Resources, Current Trends and Templates
- Session 3- The Teacher Lens
- Session 4- Breakout Learning
Interrupt Away

Breaks/Bathroom
Session 1

- Origins and Definitions
- Tech integration models
- Current Research
Origin and Definitions
Radio Shack
AMERICA'S TECHNOLOGY STORE

PRESIDENTS' BIRTHDAY SALE!

DON'T DELAY!
3-DAY SPECIALS ABOVE GOOD SATURDAY THRU MONDAY ONLY!

0% INTEREST!
NO PAYMENTS UNTIL MAY!
NO DOWN PAYMENT!

HURRY! OFFER ENDS TUESDAY FEBRUARY 19

COME IN AND TAKE ADVANTAGE OF THESE OTHER FANTASTIC VALUES!

INTRODUCTORY SPECIAL!

SAVE $670
$1599

VHS Camcorder

SAVE $799
$14995

Mobile Telephone

SAVE $100
$199

BONUS PACKAGE

Introducing our new 14.4kbps modem! Includes 1MB of software and system. Make calls, send faxes, and access the Internet all in one.

Mobile CB With Channel Centers on Bike

SAVE $100
$4995

2-Way Speaker With Maximum 15" Woofer

SAVE $10
$4995

Tiny Dual-Net Radar Detector

SAVE $60
$79.95

Micro-Twist Calculator

SAVE $33
$29.95

Compact 4-Channel Desktop Scanner

SAVE $30
$99.95

Our Easiest-To-Use Phone Answer

SAVE $40
$159.95

Deluxe Portable CD Player

SAVE $40
$159.95

Most Major Credit Cards Welcome!
Some Facts

In 1990 malls were opening at a rate of 100 per year. Not a single mall has opened in the U.S. since 2006

Dead Malls

The newspaper workforce has shrunk by about 20,000 positions, or 39%, in the last 20 years.

Newspaper Deathwatch

Wikipedia

What happened?
Some Facts

● The average flight in the world in 2015 required a human for seven minutes.

● Companies are being forced to make decisions around technology- Cracker Barrel vs. Panera Bread

"NO WiFi - travelers beware"

Reviewed 16 February 2015

The food was good, the service very fast, but they do not have wifi available for travelers. I called the corporate offices and was told that "wifi was not in keeping with the Cracker Barrel image". They "do not want to become an internet cafe"! I was aghast. In this day and age when I'm traveling I expect to have wifi when I stop. If your not 80 years old drive on by.
Computers are Learning
“Kodak created a digital camera, invested in the technology, and even understood that photos would be shared online. Where they failed was in realizing that online photo sharing was the new business, not just a way to expand the printing business.”

- Harvard Business Review
What’s true about the following jobs?

List 1

Cobbler
Carriage and Harness Maker
Telegraph Operator
Watchmakers
What’s true about the following jobs?

List 1
- Cobbler
- Carriage and Harness Maker
- Telegraph Operator
- Watchmakers

List 2
- Airline pilots
- Truck drivers
- Computer programmers
- Webmasters
What’s true about the following jobs?

List 1
Cobbler
Carriage and Harness Maker
Telegraph Operator
Watchmakers

List 2
Airline pilots
Truck drivers
Computer programmers
Webmasters

What would you guess is true about both of these lists in 1900?
“Uber, the world’s largest taxi company, owns no vehicles. Facebook, the world’s most popular media owner, creates no content. Alibaba, the most valuable retailer, has no inventory. And Airbnb, the world’s largest accommodation provider, owns no real estate. Something interesting is happening.”

TechCrunch- March 3, 2015

https://techcrunch.com/2015/03/03/in-the-age-of-disintermediation-the-battle-is-all-for-the-customer-interface/
The definition of blended learning is a formal education program in which a student learns:

- at least in part through online learning, with some element of student control over time, place, path, and/or pace;
- at least in part in a supervised brick-and-mortar location away from home;
- and the modalities along each student’s learning path within a course or subject are connected to provide an integrated learning experience.

http://www.christenseninstitute.org/blended-learning/#sthash.ZsFOqVpI.dpuf
Blended or Not?

Using Flubaroo to grade quizzes
Blended or Not?

Students getting an email with their scores from a quiz immediately after taking it.
Blended or Not?

Students telling a teacher what to write on a document while the teacher types
Blended or Not?

Students work online and pass through modules at their own pace.
Blended or Not?

Students are grouped in class based on their understanding of a video they watched the night before.
Competency Education

Students advance upon demonstrated mastery

-iNACOL (International Association for K-12 Online Learning)
Models (Christensen Institute for Disruptive Information)
What does a fully blended class look like? (flex model)
Personalized Learning- a Definition

The definition of personalized learning is any learning experience that is self-initiated and self-directed in pursuit of outcomes that are first personal (e.g., curiosity-based, self-prioritized, etc.).

-TeachThought
Personalized Learning: A Working Definition

A group of philanthropies and school and technology advocacy groups, with contributions from educators, compiled a four-part “working definition” of the attributes of personalized learning. They also identified critical questions for K-12 officials to consider in implementing personalized learning.

Related Story: What Is ‘Personalized Learning’? Educators Seek Clarity

**Competency-Based Progression**
Each student’s progress toward clearly-defined goals is continually assessed. A student advances and earns credit as soon as he/she demonstrates mastery.

**Flexible Learning Environments**
Student needs drive the design of the learning environment. All operational elements—staffing plans, space utilization and time allocation—respond and adapt to support students in achieving their goals.

**Personal Learning Paths**
All students are held to clear, high expectations, but each student follows a customized path that responds and adapts based on his/her individual learning progress, motivations, and goals.

**Learner Profiles**
Each student has an up-to-date record of his/her individual strengths, needs, motivations, and goals.

**Ongoing Assessment**
In what ways and how frequently should we assess each student’s level of mastery within the dimensions that we believe are essential for his/her success?

**Operational Alignment**
How might we deliver all of the learning experiences that our students need, with the resources we have available? What flexibility is in the design to enable us to respond and adapt to changing student needs?

**Personalized Learning Plans**
How can we ensure that each student has a learning plan that takes into account his/her strengths, changing needs, motivations, and goals?

**Strengths & Needs**
How do we capture each student’s current level of mastery within each of the dimensions that we believe are essential for his/her success (e.g., academic standards, skills)? How can we highlight students’ academic gaps to draw attention to their individual needs?
At Summit, personal learning plans are part of a self-directed learning process

**Summit’s Weekly Learning Cycle**

1) Set Goal
   - Students set a learning goal for the week by:
     - Referring to their personalized guides and previous work
     - Identifying focus areas which they need to master

2) Plan
   - Learning plans include:
     - Playlist resources to be used
     - Learning activities for each resource
     - Estimated time to work through each activity

3) Learn
   - Resources include:
     - Personal playlists
     - Peer-to-peer coaching or studying
     - Visiting the Tutoring Bar to work with a teacher
     - Participating in a workshop

4) Show What You Know
   - Students request and take assessments through their student portals.
   - All students are encouraged to take an assessment at the end of each week.

5) Reflect
   - Students reflect on the week’s work by considering:
     - What learning tools were successful
     - When an “aha” moment occurred
     - Performance on the week’s assessment

Discussion Questions

● Which of the Blended Learning models makes the most sense to you and why?

● Which of these practices have you tried or seen in person?

● What are your thoughts on Personalized Learning’s infancy?
Tech Integration Models
Individually, in pairs or in triads, what are some examples of each category?
Is TPACK a model that is useful when:

- rolling out blended learning?
- planning lessons / units?
- training teachers?

TPACK

http://www.tpack.org/
# Technology Integration Model (TIM)

[Image of the TIM model]

**Levels of Technology Integration into the Curriculum**

<table>
<thead>
<tr>
<th>Levels</th>
<th>Description</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Entry</strong></td>
<td>The teacher begins to use technology tools to deliver curriculum content to students.</td>
<td>- Information passively received&lt;br&gt; - Conventional, procedural use of tools&lt;br&gt; - Choice of tools and regular use for collaboration</td>
</tr>
<tr>
<td><strong>Adoption</strong></td>
<td>The teacher directs students to using technology tools to enhance learning.</td>
<td>- Collaborative use of tools in conventional ways&lt;br&gt; - More&lt;br&gt; - Choice of tools and regular use for collaboration</td>
</tr>
<tr>
<td><strong>Adaptation</strong></td>
<td>The teacher facilitates students’ use of technology tools.</td>
<td>- Collaborative use of tools in innovative ways&lt;br&gt; - More&lt;br&gt; - More</td>
</tr>
</tbody>
</table>
Technology Integration Model (TIM)

Let’s dig around some of the sample tech integration videos

http://fcit.usf.edu/matrix/matrix.php
Overarching Guidelines for Tech Integration

Thought process:

“What do I want students to learn/be able to do?”

and then

“What tool can I use to teach that?”
Overarching Guidelines for Tech Integration

Thought process:

“What do I want students to learn/be able to do?”

and then

“What tool can I use to teach that?”
Should these ever be switched?

Thought process:

“What do I want students to learn/be able to do?”

“What tool can I use?”
Discussion Questions

● Which Tech Integration Model makes the most sense to you and why?
Resources
What has happened

- iNACOL 2008-2015 Summary
What does current research say?

- Is Blended Learning losing favor among parents?
- Screens in school are a $60 billion hoax
What does current research say?

- 6 common misperceptions about Blended Learning
- Huntley blend provides support and flexibility
- How Blended Learning is modernizing education
How to

- 7 steps to set up your Blended Learning classroom
- Blended and Personalized Learning- practices at work
- 6 tips from Personalized Learning innovators leading change
How to

- 8 tips for getting the right blend in Blended Learning

- Back to school with Blended Learning: how administrators can prepare

- Top 200 Tools for Learning
Discussion Questions

- Which link did you find the most helpful in diving into Current Research? Please share out so that the rest of the group knows what you found helpful and why.
Reflection on take-aways and share out
● Session 2- Resources, Current Trends and Templates
● Session 3- The Teacher Lens
● Session 4- Breakout Learning
“That's all Folks!”
Session 2- Research, Current Trends and Templates
Favorite Vacation Ever
Research
Books

**Blended** - Michael Horn

**The Basics of Blended Instruction** - ASCD

**Blended Learning in Grades 4-12** - Catlin Tucker

**Blend- In Seven Days or Less, Successfully Implement Blended Strategies in your Classroom** - Dr. Jenny Hooie
White Papers — Blended Learning

Innosight Institute - [Classifying K-12 Blended Learning](#)

Christensen Institute - [Is K-12 Blended Learning Disruptive?](#)

Dreambox - [Blended Learning Innovations- 10 Trends](#)
White Papers – Blended Learning

iNACOL - Blended and Online Learning: Survey of Policy and Practice of K-12 Schools Around the World


Dreambox- Blended Learning Innovators- 10 Major Trends

Blended Learning at MIT
White Papers – Personalized Learning

Dreambox- Pathways to Personalized Learning and The Future of Learning

AIR (American Institute of Research)- Are Personalized Learning Environments the next wave of K-12 Education Reform?
White Papers — Ed Tech

Hanover’s- Future Trends in K-12 Education

Digital Learning Now - Digital Learning Report Card 2014 and Leading an Era of Change
White Papers — Ed Tech

KPCB- Internet Trends

New Media Consortium- Horizon Report- K-12 Edition

Jupiter Ed- Learning the Millennial Way

OECD- Students, Computers and Learning-Making the Connection
Guides

- Digital Learning Now’s- [Blended Learning Implementation Guide](#)
- Aspire Public School’s- [Blended Learning 101 Handbook](#)
- EdSurge- [Personalized Learning Playbook](#)
Working smarter... not harder

- Two important shifts:
  - acknowledge that what you need is online in some form
  - embrace the tools that will make your work easier
It’s all out there

- There is more amazing content organized online than you could upload in a hundred lifetimes

- The trick is to find what works for your school and modify it to suit your needs/style
What is out there for tracking student learning?

- Khan Academy
- Codecademy
- Noredink
- SpellingCity
What is out there to help with lesson plans?

- There are amazing tools (websites, software, templates, etc.) with varying levels of access and quality, that can make planning a lesson or unit easier.
Listen Current

https://listencurrent.com

The best of public radio curated for use in the classroom
Smithsonian Education

http://www.smithsonianeducation.org/index.html

Great access to documents and videos
Discovery Education

http://www.discoveryeducation.com/teachers/free-lesson-plans/

Great resources and the kind of quality images that you would expect from Discovery
OER Commons

https://www.oercommons.org

A warehouse for Open Educational Resources for teachers and professors
50 Ways to Use Technology in the Classroom

http://www.coolcatteacher.com/technology-in-the-classroom/
The Process of Blending

Khan Academy’s modules for implementing Blended Learning
https://www.khanacademy.org/partner-content/ssf-cci

BlendKit’s Building Your Course
https://blended.online.ucf.edu/process/building-your-course/
Blended Learning Checklists

- EdSurge’s- [Blended Learning Checklist](#)
- BlendKit’s- [Blended Course Implementation Checklist](#)
- La Trobe University’s- [Blended Learning Design Checklist](#)
Pinterest

http://www.pinterest.com/blendedlearning/

http://www.pinterest.com/blendedlearning/blended-learning/

http://www.pinterest.com/michelledunn14/blended-learning/
Work Smarter... Not Harder
Let’s spend 15 minutes exploring these resources
● Current Trends
What are the current trends?

- New Media Consortium- [Ed Tech Trends on the Cusp of Mainstream](#)

- [Summit Public Schools](#) in San Jose, CA, widely regarded as the leader in Blended Learning implementation

- [What is personalized learning?](#)- EdWeek
# Individual Tracker By Standard

<table>
<thead>
<tr>
<th>STANDARD(S)</th>
<th>LEARN</th>
<th>CONFERENCE &amp; APPLY</th>
<th>ASSESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>I can...</td>
<td>Select 3 activities from your playlist:</td>
<td>Date: October 28, 2014</td>
<td>Select an assessment option:</td>
</tr>
<tr>
<td></td>
<td>1.</td>
<td></td>
<td>- Digital quiz</td>
</tr>
<tr>
<td></td>
<td>2.</td>
<td></td>
<td>- Teacher-directed</td>
</tr>
<tr>
<td></td>
<td>3.</td>
<td></td>
<td>- Paper quiz</td>
</tr>
<tr>
<td></td>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.</td>
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</tr>
</tbody>
</table>

**REFLECTION:**
How does this standard apply to everyday life?

Score: [ ]
Score: [ ]

**STAMP OF APPROVAL**
Which fractions are equivalent to \( \frac{8}{20} \)?

*Hint: There may be more than one.*

- \( \frac{6}{15} \)
- \( \frac{4}{10} \)
- \( \frac{2}{5} \)
- \( \frac{3}{11} \)

Submit ✓

SmartScore out of 100: 72
Saudi Arabia is the world's largest producer and exporter of oil. It has over 260 billion barrels of oil, and produces around eight million barrels of oil per day. In 1933 King Abdulaziz bin Aburrahman Al-Saud granted Standard Oil of California the right to look for oil in Saudi Arabia. In 1938, this country discovered large quantities of oil in Saudi Arabia and began exporting in 1939. By the 1970s, Saudi Arabia became the top producer and exporter of oil in the world. This oil affects Saudi Arabia economically because it makes it wealthier. This money is shared with its people and makes its king wealthier. In fact, Saudi Arabia's GDP per capital is $53,780, which is

3 Websites to Gamify Your Math Class

Most elementary age kids I know love math, but that changes when they matriculate to middle school. If you ask seventh and eighth graders what their hardest subject is, they'll hands down tell you it's math. And that opinion doesn't improve in high school. In fact, Forbes reported that 82% of public high schoolers in the well-to-do Montgomery County Maryland failed Algebra. US News blamed math knowledge for a 33% failure rate by Oklahoma high school seniors on their exit exams.
What can we do now?

Consider Personalized Learning?

PEAK—Fuel Education’s award-winning, open technology platform—gives districts an easy way to personalize, integrate, and manage online learning programs.

http://www.getfueled.com/peak/
Project-Based Learning

Project-based learning is a dynamic classroom approach in which students actively explore real-world problems and challenges and acquire a deeper knowledge.

RELATED TAGS: Collaborative Learning, Integrated Studies, PBL Assessment, PBL Planning, Service Learning

http://www.edutopia.org/project-based-learning?gclid=COb5p6TS_soCFcYkhgodZ_8J3Q
Makerspace Playbook
School Edition

Assessing Learning Organically in the Classroom

Tests. Tests. Tests. Equally bemoaned by students, parents, teachers and principals. High stakes and high stress — those few hours of testing have lasting consequences for students, teachers, and schools. Yet, they rarely yield any information that could actually make a difference in the classroom. With results often reported months after testing has concluded, high stakes tests cannot be used to adjust teaching strategies or inform instruction in any meaningful way. In fact, by the time the results are in, students are typically moved on to the next grade.

How do we shift from high stakes to high value testing? How do teachers and curriculum leaders promote healthy assessments that yield actionable and actionable feedback for teachers? How can assessment information be informative? How can assessment be used to move every student forward to success?

The shift to high value testing does not have to be difficult. In fact, assessment can be an integral part of instruction. Teachers and curriculum leaders can go through the use of highly engaging classroom activities to develop their daily pulse on student growth and adjust lessons to ensure high levels of student learning. Dive into best practices in developing and delivering formative assessments this winter. The sessions are designed for busy superintendents and curriculum leaders.

Powerful Practices: The Instructional Leadership Series features a series of free one-day events for school system leaders. These events offer opportunities for networking with colleagues, learning from practitioners, and hearing from experienced educators as they discuss the seemingly intractable challenges faced by school leaders today and those powerful practices that set great schools apart.

Using digital resources and research-based practices, attendees will participate in interactive sessions focusing on:

- Formative Assessment
- Personalized Learning
- Culturally Responsive Classroom
- Student Engagement
Learning Management Systems - Playlists

- Gooru Beta
- History

Filters:
- OER
- Mobile Friendly

Resource Format:
- Videos
- Webpage
- Interactives
- Questions
- Images
- Texts
- Audio

Subject:
- Science
- Math
- Social Sciences
- Language Arts
- Arts & Humanities
- Tech & Engineering

Grade Level:
- Elementary School
- Middle School
- High School
- Higher Education

Standard:
- Browse: e.g. CCSS.Math.CO

Publisher:
- e.g. NASA
7 Ways Technology Is Impacting Modern Education

http://www.theedadvocate.org/7-ways-technology-impacting-modern-education/
79 Percent of School Leaders Use Online Learning as Alternative for Struggling Students
Tools to Enhance Learning
Flubaroo
Importing Data Into Google Maps
Collaborate and Curate
THOUGHT: EDUCATION DESIGN LAB
Digital Literacy

COMMUNICATION
Written Comms + Verbal Comms + Numeracy + Digital Literacy = Communication

COLLABORATION
Positive Attitude + Teamwork + Meet Deadlines + Emotional IQ = Collaboration

CRITICAL THINKING
Initiative + Creative + Decision Making + Problem Solving = Critical Thinking

WORK READINESS
Reliable + Adaptable + Professional + Ambition = Work Readiness

Sussex Downs College Employability Passport
Colorado State University

http://www.online.colostate.edu/badges/certified-gardener
Open Research Badges

BioMed Central becomes first publisher to implement Author Contributorship Badges

October 7, 2016 - Open Access

The open access publisher BioMed Central is the first publisher to pilot a new system which clearly shows exactly how each researcher contributed to any given scientific article. Author Contributorship Badges are available on the open data journal GigaScience from today.

http://openresearchbadges.org
Extending the Digital Reach

SCHOOLS PUSH PERSONALIZED LEARNING TO NEW HEIGHTS

For most schools, reaching the next level of digitally driven, personalized learning is far from reality. Still, some schools are extending their digital reach in significant and sometimes groundbreaking ways, as the stories in this special report illustrate. They are making moves to integrate a variety of technologies to track how students learn and to use the resulting data to expand the use of hands-on, project-based learning. The goal is to build never-ending feedback loops that ultimately inform the development of curriculum and assessment. Plus, big data and analytics are gradually making their marks in K-12 education.

This special report outlines the progress schools are making to use digital tools to personalize learning, but also raises the question: Are they reaching far enough?
Grant Opportunities for Personalized Learning

- Next Generation Learning Challenges
- Mark Zuckerberg’s pledge
Templates
Blended Learning Templates
Blended Learning Templates

Let’s spend some time building out a blended learning lesson or unit
Discussion Questions

- What were the pros and cons of building out student learning experiences through the templates offered?
Reflection on take-aways and share out
● Session 3- The Teacher Lens
● Session 4- Breakout Learning
"That's all Folks!"
Session 3- The Teacher Lens
The Perfect Online Teacher?

- web access
- building a new paradigm
- skill sets for the 21st C
- return home
- creative & publishing
- information management
- a thinking pedagogy
- learning environments
Collaborative Note Taking - The Teacher Lens
Syllabus vs. Learning Journey

Learning Target: Build a foundation of geographical location and nomenclature

Packet
Mental Mapping
Online Games

Demonstrate Mastery/Move On
68% on two advanced dot maps or > 94% on two outline map quizzes

Learning Target: Build a foundation of content knowledge within the region that applies to the Essential Questions of the course

Content & Skills
Infographics
TCI
Current Events

Demonstrate Mastery/Move On
After you have gotten feedback that you are ready, decide when to turn in your paper or take the Practice test. Teaching GCP and GCP are different.

Personalized Map
Small Group Discussions
Share Outs

Assessment
Test
Teach A Class?
Infographic?
Global Collaboration Project?
Case Study?

Learning Target: Demonstrate mastery of the content and skills of the course in relation to the standards and Essential Questions when you are ready
Syllabus vs. Learning Journey
Components of a syllabus

http://blog.cengage.com/top_blog/elements-of-a-well-written-syllabus/
• Title of the course/course number
• Location/time of the course
• Name of the instructor/Office location/Office hours/Office phone/School e-mail
• Required text/materials
• Catalog description of course/perquisites (if any)
• Course objectives/learning outcomes
• Attendance policy
• Late work policy
• Students with disability statement
• Grading scale
• Assignments with points possible or % grade weight
• Calendar of assignments with due dates
• Message from instructor
• Disclaimer stating that this is a plan for the semester that might change as class needs develop
“This is where and when I will learn”
“This is where and when I will learn”

“These are my gateways to knowledge”

(sic)
"This is where and when I will learn"

"These are my gateways to knowledge"

"There is a chance that I'm not ready for this type of learning, so I might be blocked from access"
"This is where and when I will learn"

"These are my gateways to knowledge"

"There is a chance that I’m not ready for this type of learning, so I might be blocked from access"

"The teacher already knows what I might learn from this course and it’s restricted to this at least as far as earning credit goes"
Title of the course/course number

Location/time of the course

Name of the instructor/Office location/Office hours/Office phone/School email

[Required text/materials]

Catalog description of course/perquisites (if any) (sic)

Course objectives/learning outcomes

Attendance policy

Late work policy

Students with disability statement

Grading scale

Assignments with points possible or % grade weight

[Calendar of assignments with due dates]

Message from instructor

Disclaimer stating that this is a plan for the semester that might change as class needs develop
This is where and when I will learn

These are my gateways to knowledge

There is a chance that I’m not ready for this type of learning, so I might be blocked from access

The teacher already knows what I might learn from this course and it’s restricted to this at least as far as earning credit goes

My learning should happen on this schedule

The pace of my learning will be dictated by the group
This is from whom, where, when and how I can get help or learn more.
This is from whom, where, when and how I can get help or learn more.

There will be consequences/penalties if my learning is interrupted or delayed.

- Title of the course/course number
- Location/time of the course
- Name of the instructor/Office location/Office hours/Office phone/School email
- Required text/materials
- Catalog description of course/perquisites (if any)
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This is from whom, where, when and how I can get help or learn more.

There will be consequences/penalties if my learning is interrupted or delayed.

I have to figure out which pieces of learning are worth more/less so I know how to parcel out my effort.
This is from whom, where, when and how I can get help or learn more.

I had better read this because there are probably hints to how to earn a good grade or avoid penalties here.

There will be consequences/penalties if my learning is interrupted or delayed.

I have to figure out which pieces of learning are worth more/less so I know how to parcel out my effort.

I had better read this because there are probably hints to how to earn a good grade or avoid penalties here.
How a Learning Journey works

- Asynchronous
- Reflection built in
- Stages of learning clearly laid out
  - Foundational, Collaborative, Passion Based Project, Assessment Preparation
- Multiple suggestions for learning modalities
- Multiple options for assessment
Let’s check in on the note taking!
Geography Learning Journey

START

Outline Region
Which One Doesn’t Belong?
Atlas Exercise
Border Patrol
Digital Exploration

Foundational Learning

Online Mapping Games
Drawing a Map of the Region
Mental Mapping
Quizzes
Dot Maps

Current Events
Personalized Map
Textbook Outlining
Content Analysis

Collaborative Learning

Online Quiz Creation
Digital Exploration

World Map Project to Serve
Website Augmentation
Teach A Class to Educate
Infographic Pres
PSA to Advocate
Website Creation
Research Paper to Deepen Learning
Global Collab Proj.

Passion Based Learning

Personalized Map Replication with analysis
Geoguesser with analysis
Current Event analysis

Drawing a Map of the Region with Content
Mental Mapping with content
Textbook Outline Review

Dot Map with content Swap
Quizlet
Fill in Outline Map with Content

Assessment Preparation

Analysis Based Assessment
Content Based Assessment
<table>
<thead>
<tr>
<th>Geography Learning Journey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outline Region</td>
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<td>Atlas Exercise</td>
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Geography Learning Journey

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Passion Based Learning
Any questions?
Syllabus vs. Learning Journey

How to Choose the Perfect Board Game

START HERE

Are you playing with children?

- No
  - Play for more than two hours?
    - No
      - Hardest rules ever?
        - No
          - All players in until the end?
            - No
              - Axis and Allies
            - Yes
              - Le Havre
        - Yes
          - Let them experience crushing defeat?
            - No
              - Rube Goldberg?
                - No
                  - Operation
                - Yes
                  - Fun
                - Rules
                - Actually fun for adults
            - Yes
              - Girly girls only?
                - No
                  - Real rules or just fun?
                    - No
                      - Candy Land
                    - Yes
                      - Operation
                - Yes
                  - Rube Goldberg?
- definition of blended / personalized learning
- tell them why you believe that this is best for their children
- emphasis on what their children will have control over (pace / content / modality)
- an understanding of how reporting may look different on their end
- take them through an example of an activity or lesson
Homework vs. Home Learning?

- Alfie Kohn

- American School of London
Documenting the Curriculum

- link to standards
- website links
- lesson plans vs. modules
- assessment differences
- Rubicon Atlas?
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<thead>
<tr>
<th>Module</th>
<th>Mode</th>
<th>Topic</th>
<th>Standard</th>
<th>Assignments</th>
<th>Pacing Goals</th>
<th>Actual Date Completed/ Comments</th>
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<td>Introduction</td>
<td>3.8.a. Use appropriate data sources and tools to generate, manipulate, and interpret geographic information such as the location of, size of, and distances between places.</td>
<td>Outlining countries and completing the packet(s)</td>
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<td>Recognition of Countries</td>
<td>3.8.a. Use appropriate data sources and tools to generate, manipulate, and interpret geographic information such as the location of, size of, and distances between places.</td>
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Traditional Grading: Potential Factors

- Behavior
- Late work
- Extra Credit
- Median grade
- Following instructions
- Weighted grade
- Participation
- Homework
- Effort
- Academic performance
- Delete lowest grade
- Average grade
Grading and Reporting

- A database vs. writing individual tests?

sample assessment
- How will your gradebook look different?
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</table>
What can we do now? Reporting Out on Learning?

- Change the way we view student growth data
  - Talent Unbound
- Grading and Reporting changes
  - American School of Bombay
Assessments

- Student agency over time, content or modality of learning means that assessments must change.
- What does it mean if a teacher Googles while they grade?
- Should students choose when to be assessed?
- Should assessments be different for different modalities of learning?
- What does a test look like when students have studied different content?
Teacher Mindset

From Master Teacher to Master Learner

Will Richardson
Teacher Mindset

First Attempt In Learning
“It’s not information overload. It’s filter failure.” - Clay Shirky.
Teacher Mindset

Digital native does not mean tech savvy

83% of millennials say they sleep with their smartphones.

Yet 58% of millennials have poor skills in solving problems with technology.

U.S. millennials ranked dead last out of 19 countries tested in these skills.

19th
Teacher Mindset

Product model:
- Plans and intentions
- Use of behavioural language
- Making assessment precise
- Structure
- Choice through electives
- Planned by teacher

Process model:
- Learning activities
- More student choice
- Environment
- Social and life skills

Teacher Control

Student Control

Content

Social and life skills
Teacher Mindset- beware of cognitive dissonance
Teacher Mindset - beware of cognitive dissonance

- Action
- Inconsistency
- Belief

Dissonance

Behavior conflicts with attitude or belief

Tension (cognitive dissonance)

Efforts to reduce dissonance:
- Reject belief
- Change behavior
- Deny the evidence
- Rationalize

Hardest one to do
Teacher Mindset

Thought process:
“What do I want them to learn/be able to do?

(and then)

“What tool can I use to help them learn that?”
Matrix of Digital Tools
Discussion Questions

● In what ways could I offer my students a Learning Journey or Roadmap?
● How will documentation of learning change?
● How will you reframe learning for students?
● How will reporting out on learning change?
● How will you communicate your program to your community?

● What from The Teacher Lens” has pushed my thinking?
Reflection on take-aways and share out
Session 4- Breakout Learning
"That's all Folks!"
Session 4- Breakout Learning
Options

- Begin Working on a Learning Journey
- Staying Current Using Twitter- for PD
- Blended Learning Videos- for beginners
- G Suite- formerly Google Apps For Education
- Become a Google Power Searcher
- Finding the Right Fit- How to offer Blended Learning PD at your school
- Work Smarter, Not Harder
- Diving into the templates
Final Thought from Sugata Mitra
Mark’s Final Comment
What I Love and Hate about Blended/Personalized Learning

- Forcing us to rethink schooling with more immediacy and intentionality
- BL a misnomer... particularly from the student perspective
- Strange Transitory Stage
- It’s just slow going and awkward right now... will get us to an awesome place
Final Thought from Albert Einstein
I never teach my pupils. I only attempt to provide the conditions in which they can learn.

(Albert Einstein)
Please keep in touch if I can help in any way

Mark Engstrom

@markaengstrom

markaengstrom@hotmail.com
"That's all Folks!"