Infusing Technology in Your Classroom
Presented by Ashley Cooper
What do you want to achieve from today’s session?

• Record your technology/Blended learning goals on your handout at this time.

• Also include your self-assessment of your current status in regards to your implementation of technology resources and blended learning.

• List the current technology tools or programs you use to help “blend” your curriculum
Aims and Outcomes for Today’s Session

• Discuss issues associated with the current state of technology implementation and Blended Learning.

• You will be able to:
  – Recognize the context for Blended Learning
  – Reflect on your current teaching practices
  – Identify techniques to support your implementation of the SMAR Model and Blended Learning pedagogy
  – Familiarize yourself with a plethora of Web 2.0 tools
  – Begin to plan how to incorporate SAMR in your classroom
  – Build confidence to blend your classroom curriculum
Growth of Online Learning in PK-12 US Students

- Homeschooled: 2.91 million
- Virtual Schools: 4.58 million
- Online Charter Schools: 2.53 million
- Blended Learning: 10.07 million

Bottom line - Blended learning is the *effective* combination of different modes of delivery, models of teaching and styles of learning.
Benefits of Blended Learning

- Benefits of Blended Learning in Education
- Created by Frederic Skrzypek
How Can You Identify Blended Learning?

What is the **student** doing and where is the student?

What is the **teacher** doing and where is the teacher?

What and where is the **content**?
Shift 1: Control
*Teacher vs. student control of teaching and learning

- Textbook enhanced teaching and learning
- Technology enhanced (not online)
- Web/online enhanced
- Blended
Shift 2: Moving to Student-Centric

Teacher-centric vs. Student-centric

- Textbook enhanced teaching and learning
- Technology enhanced (not online)
- Web/online enhanced
- Blended
Shift 3: Time

*Control of time and pace

- Textbook enhanced teaching and learning
- Technology enhanced (not online)
- Web/online enhanced
- Blended
Your Reflections

• What are your concerns with the transformation of who is in control of your course?
• What is your reaction to making your course more student-centric?
• What are your reservations to allowing your course to be asynchronous?
Where does your current classroom fit on this continuum?
Emerging Blended-Learning Models

**Brick-and-mortar**
- Traditional instruction
- Technology-rich instruction

**Online learning**
- Informal online learning
- Full-time online learning

**BLEND**

1. Rotation model
   - Station-Rotation model
   - Lab-Rotation model
   - Flipped-Classroom model
   - Individual-Rotation model

2. Flex model

3. Self-Blend model

4. Enriched-Virtual model

Graphic created by INNOSIGHT
The SAMR Model of Ed Tech

**Redefinition**
Technology allows for the creation of new tasks - previously inconceivable

**Modification**
Technology allows for significant project/task redesign

**Augmentation**
Technology acts as a direct tool substitute with functional improvement

**Substitution**
Technology acts as a direct tool substitute with no functional change
SAMR According to Students
SAMR Model

Class Task
- Note taking
- Research
- Presentation
- File sharing
- Reading
- Assessment

Substitution
- Notes taken using iOS Notes
- Using Safari to copy and paste information
- Make a keynote presentation on the iPad
- Sent by email every lesson
- Open PDF from email
- Google form test

Augmentation
- Students choose their own notes app
- Bookmark and share notes using the share button
- Demonstrate understanding with Explain Everything
- Shared Dropbox folder
- Use dictionary & search document
- Google form test with automatic marking script

Modification
- All students use Notability for all notes
- Download and annotate with Notability
- Combine audio, video and text in Movie Presentation
- Showbie
- Annotating documents in Notability & iBooks
- Creative projects with Strip Designer, Showme & iMovie

Redefinition
- Teachers have access to all student’s notes.
- Collaborative Mindmaps
- Nearpod Presentation
- iTunes U
- Interactive iBook
- Creative Assignments with audio feedback in showbie
Introducing The SAMR Model

- **Substitution**: Technology acts as a direct tool substitute, with no functional change.
- **Augmentation**: Technology acts as a direct tool substitute, with functional improvement.
- **Modification**: Technology allows for significant task redesign.
- **Redefinition**: Technology allows for the creation of new tasks.
SAMR, Blooms, and Tools

Graduate attributes and capabilities

- Good communicator
- Energy, passion, and enthusiasm
- True to values and ethics
- Understands strengths & limitations
- Listens, learns from errors & experience
- Empathizing, time management skills remain
- Thinks strategically, transparent & honest, gives credit
- Perservering

Action Verbs
- Distill
- Implement
- Simulate
- Construct
- Draw
- Capture
- Collect
- Take

Activities
- Charting
- Surveying
- Spreadsheeting
- Creating advertisement
- Summarising

SAMR Model

Remember
Understand
Create
Evaluate

Redefinition: New tasks previously inconceivable
Technology: iPad Apps
Student: SAMR
Product: Tools

Rethinking: Substitution
Substitute: Substitute and no functional change
Redefine: New tasks previously unconceivable
Redefine: iPad Apps
Redefine: SAMR
Redefine: Tools
Redefine: Everything
Web 2.0 Tools

• What new tools/apps have you used to enhance your classroom or blend your instruction?
More Web 2.0 Tools

- citelighter
- voicethread
- schoology
- moodle
- edmodo
- Google+ Hangouts
Even More Tools For Your
Where To Find More . . . ?

- Treasure Trove of Web 2.0 Tools
- Free Tech Tools Blog
- Flare For Your Classroom

Choose the Right Tool

If the only tool you have is a hammer, you tend to see every problem as a nail.

--Abraham Maslow
An Action Plan to Infuse Technology Into Your Lesson

- Select your unit of study or lesson
- Identify priority standards
- Brainstorm standard-based activities, assignments, and assessments for the unit
- Take a step toward Blended Learning by visualizing how your traditional activities can be incorporated online
What do you want kids to do with technology?

Wrong answers:
- Make Prezis
- Start blogs
- Create Wordles
- Publish Animotos
- Design flipcharts
- Produce videos
- Post to Edmodo
- Use whiteboard
- Develop apps

Right answers:
- Raise awareness
- Start conversations
- Find answers (to their questions)
- Join partners
- Change minds
- Make a difference
- Take action
- Drive change

Technology is a tool, not a learning outcome.
Challenges In Developing Your Blended Learning Course

• **Logistics and Administration**
  – Budget, physical space, enrollment, marketing

• **Professional Development**
  – New technology, new pedagogy, constant need to keep evolving, collaboration

• **Course Design**
  – Ratio of f2f and online activities, collaboration, effective use or technology, identifying success, intellectual property concerns
You Are Our Experts!

• What is one activity that you do / have done / have seen done where students are engaged in the learning process?
Questions or Comments?