Exploring Digital Concept Maps and Infographics to Engage and Assess Students

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Defining Formative Assessment

“assessment for learning”

rather than

“assessment of learning”

Designed to shape instructional decisions

latin root - assidēre - “to sit beside”

The Key Differences between Formative and Summative Assessment
Benefits of formative assessment

● Use as a diagnostic tool
● Plan instruction
● Provide feedback to students and teachers
● Involve students in their own learning-supports metacognition
● Motivate students
Concept map tools & Infographics

What they are:
- Visual representation of learning
- Avenue for engaging with content and incrementally increasing understanding.

How they provide formative assessment:
- Visual connection of vocabulary, concepts, etc.
Today’s backchannel conversation...

padlet.com/tharvey03/Innovate2017

Please feel free to share your ideas and examples on this page.
Concept map tools

➔ Mindmeister
➔ Popplet (iOS friendly)
➔ Lucidchart (*google add-on)

Infographics

➔ Google Draw
➔ PicCollage (iOS only)
➔ Thinglink
➔ Infogr.am
➔ Adobe Spark
➔ Canva
➔ Padlet
Mindmeister

Orchestra example

Set up a Mindmeister account (Basic - 3 free)
Popplet

Science example (make popplet free account)
Lucidchart

Venn Diagrams
Cause effect
Cluster mapping
Flow Chart

Food Web
SWOT Analysis
Story Map

Lucidchart in 90 seconds
Australia Example
Lucidchart

Multi-use Link

*Recommend to use your Google login
Lucidchart
Google doc integration/Google Add-on
Example
Concept map tools

1. How could you incorporate concept maps using one of these digital into your teaching?
2. How does using concept maps help students identify their strengths or gaps in content understanding?
3. How could you use the concept map end-products as a formative tool to identify next instructional steps?

Share with a partner.

Share examples on Padlet.
Concept Map Resources

#meistertip on Twitter

6 Reasons Why I Love Mindmeister
How to Mindmap a TED Talk
10 Ways to Use Lucidchart in the Classroom
10 Mind Mapping Strategies for Teachers
Concept Mapping in the Classroom - Schrock
Infographics

What they are:

- Ask students to take the information that was learned and turn it into a visual with as few words as possible.

How they provide formative assessment:

- Learning can be shared in compelling visuals that allow for formative assessment, deepened understanding, and further engagement with intended audience (students have to consider the composition and design in reaching the audience).
PicCollage

← Final product

Editing on iOS device →
Thinglink

Salt to the Sea
Infogr.am

Math student example
Adobe Spark

Geography - South America

Set up an Adobe Spark account (**google login)**
Canva

Log into Canva: Go to Blogging and eBooks

Canva - Create a Design

With a partner create an infographic!

Topic: Top 3 reasons to use digital tools for formative assessment in the classroom.

Share here (google slideshow link***)
Infographic Resources

Three alternatives to Glogster
Infographics as Creative Assessment (Schrock)
Creating eye-popping infographics with Google Drawings
Using Infographics in the Classroom (piktochart)
Effective Teaching: 5 Ways to Use Infographics
Infographics

1. How could you incorporate digital infographics into your teaching?
2. How could students use these infographics to identify their strengths or gaps in content understanding?
3. How could you use the infographic end-products as a formative tool to help identify next instructional steps?

Share with a partner.

Share on Padlet.
Formative Assessment w/ Digital Tools

- Technology-enhanced
  - TIMELY data on learning (students & teachers)
  - Permanent record
  - Engaging
  - Thinking of all learners made public (options: name/anonymity)
  - Efficiency in data collection
  - Access to devices has increased
  - Clear connection between the use of the technology and learning
Questions

Thanks for coming!

Stay in touch...

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