Collaborate 21

Ellendale Public School
Creating a Flipped Classroom

✧ Goal 1: flip the way we handled classroom instruction and class projects.

✧ Goal 2: utilize new technologies in order to collaborate with all team members efficiently.

✧ Goal 3: incorporate 21st Century Learning skills along with Common Core standards.
The Plan

➤ Flip a minimum of one lesson each quarter.

➤ Each flip will be with a different subject area.

➤ Use time before/after school and prep periods to collaborate on lessons as well as email conversations.

➤ Increase student/teacher communication and interaction on projects.

➤ Long term evaluations on project so we can share with the rest of our colleagues.
Technology Needs

- Device for every student
- Time to get everything set up - took patience!
- Apple ID's / Google Account / etc.
- Apple TV in classroom and library
- Various apps / programs
- Support / Maintenance
Lesson 1- Incan/Mayan Empire

➤ Standards:

➤ SS 6.2.8: Identify features of Central American civilizations and their contributions to the modern world

➤ SS 6.6.2: Explain how the difference in cultures often result in conflict

➤ CC RH 6.8.3: Analyze how and why individuals, events, and ideas develop and interact over the course of a text

➤ CCR SL6.1 Prepare for and participate in range of conversation, building on others’ ideas and expressing their own.

➤ 6-8.IAI.4 Use basic search strategies with limiters to locate resources.

➤ 6-8.IAI.5 Retrieve identified information resources with some adult guidance.

➤ 6-8.IAI.6 Evaluate information found within selected resources on the basis of accuracy, currency, reasonableness, appropriateness, credibility, and detail.
Lesson 1- Incan/Mayan Empire

➤ Objectives:

➤ Justify arguments for/against colonization of Ancient Americas

➤ Establish a base for completing valid and reliable online research

➤ Video Used

➤ Online Database How To Video: http://youtu.be/aE2k-Lf9A8g

➤ Debate: http://youtu.be/B4vAec_Nv8c

➤ Product: Written Essay & Class Debate
Lesson 2- Northwest US Volcanoes

Standards:

- S1.6.2: Understand how a model can be used to explain scientific principles
- S5.6.2: Understand landforms and the process that change the surface of Earth
- CCR RH6-8.7: Integrate and evaluate content presented in diverse media
- CCR M6.G1-4: Solve real-world and mathematical problems involving area, surface area, and volumes
- CCR WHST6-8.3: Write narratives to develop real experiences using effective technique, well-chosen details, and well-structured event sequence
- CCR SL6.5: Make strategic use of digital and visual displays of data to express information and enhance understanding of presentations
- 6-8.RU.1 Explain and follow copyright guidelines.
- 6-8.RU.2 Identify when citation or permission is needed to use the intellectual property of others.
- 6-8.RU.3 Practice strategies to avoid plagiarism and discuss the personal consequences of plagiarizing the work of others.
- 6-8.IAI.4 Use basic search strategies with limiters to locate resources.
- 6-8.IAI.5 Retrieve identified information resources with some adult guidance.
- 6-8.IAI.6 Evaluate information found within selected resources on the basis of accuracy, currency, reasonableness, appropriateness, credibility, and detail.
Lesson 2- Northwest US Volcanoes

Objectives:

- Construct scale model
- Report relevant information on specific earth process and environment
- Utilize research methods to find information on chosen topic
- Recognize the need for citations in research

Video Used

- Discovery Education: Pacific Mountain Video
- Student Presentation: [http://youtu.be/1SVmxead5vg](http://youtu.be/1SVmxead5vg)

Product: Volcano Model & Works Cited
Lesson 3- Health Disease Study

Standards:

- H2.6.3: Know sources, symptoms, and treatment of diseases and other health problems.
- H2.6.3: Know how the physical environment can affect personal health.
- H5.6.3: Know consequences of specific risk behaviors.
- CCR RI 6.7: Integration of Knowledge and Ideas from diverse media.
- CCR W6.7: Conduct sustained research projects based on focus criteria.
- 6-8.RU.1 Explain and follow copyright guidelines.
- 6-8.RU.2 Identify when citation or permission is needed to use the intellectual property of others.
- 6-8.RU.3 Practice strategies to avoid plagiarism and discuss the personal consequences of plagiarizing the work of others.
- 6-8.IAI.4 Use basic search strategies with limiters to locate resources.
- 6-8.IAI.5 Retrieve identified information resources with some adult guidance.
- 6-8.IAI.6 Evaluate information found within selected resources on the basis of accuracy, currency, reasonableness, appropriateness, credibility, and detail.
Lesson 3- Health Disease Study

Objectives:

- Inform others on the cause, symptoms, and cures of specific disease.
- Express understanding of how to create citations.

Video Used:

- Online Database Video

Product: Educreations Video

http://www.educreations.com/lesson/view/burns-project/6809798/?s=wbh6Bz&ref=app
Lesson 4 - Solving Math Equations

Standards:
- M5.6.2: Understands the concepts of functions, variables, expressions, equations, and inequalities
- CC 6.EE.2: Apply and extend previous understandings of arithmetic to algebraic expressions

Objectives:
- Establish proper process skills for solving equations

Video Used:
- Teacher Created / Kahn Academy

Product: Proper process of solving multistep equations
Benefits

- Students / Teachers are absent
- Meet the needs of all students (low and above average)
- Ripple effect in school for other teachers wanting collaboration and technology in their classrooms
Questions?