Authentic Learning with KANO

Lesson - Recreate an authentic Civil War battlefield in Minecraft

From Amana Academy in Alpharetta, GA, USA

Learning Objectives:
1. Model a Civil War battlefield in a digital world using Make Minecraft
2. Design a battlefield that's realistic using area model of multiplication
3. Use the squares on the Kano map to convey a sense of scale in my battlefield

NAME _____ DATE _____ CREW _____

KANO MINECRAFT BATTLEFIELD

Learning Target:

I can model a Civil War battlefield in a digital world using Make Minecraft.

I can design a battlefield that's realistic using area model of multiplication.

I can use the squares on the Kano map to convey a sense of scale in my battlefield.

MM3P4. Students will make connections among mathematical ideas and to other disciplines.

Purpose: This project will showcase the students' understanding of a Civil War battlefield. Students are **Beta testing** software on whether Minecraft is sufficient for creating a digital model of a historical battlefield.

Requirements:
- PLAN: Draw out your battlefield layout. (http://tinyurl.com/KanoBattlefield)
- Battlefields must include:

_____ Earthworks

_____ Cannons (guns)

_____ Barracks

_____ Woodline (trees)

_____ Other landforms (list: _____)

CHOICES OF BATTLES:
1. Battle at Kennesaw Mountain
2. Battle of Bull Run
3. The Battle of Gettysburg

DUE DATE: _____

BATTLEFIELD PLAN

Research the map of your Battle choice. (http://tinyurl.com/KanoBattlefield)
Draw out a map of your battlefield. Imagine a bird's eye view of your battlefield. *(Flying above the battlefield)*

Name: _____ Date: _____ Crew: _____

Kano: Civil War Battlefield Rubric

CATEGORY	4	3	2	1
Design	Design is neat with clear measurements and labeling for all components.	Design is neat with clear measurements and labeling for most components.	Design provides clear measurements and labeling for most components.	Design does not show measurements clearly or is otherwise inadequately labeled.
Model Accuracy	Model accurately reflects design elements and details seen in plans.	Model reflects most design elements & details seen in plans.	Model shows the basic set, but lacks many of the design details.	No model OR model is seriously incomplete.
Attractiveness	Makes excellent use of blocks and terrain to enhance presentation.	Makes good use of blocks and terrain to enhance presentation.	Makes use of blocks and terrain but occasionally these detract from the overall presentation.	Makes use of blocks and terrain but these frequently detract from the overall presentation.
Requirements	The battlefield includes ALL of the desired requirements.	The battlefield includes MOST of the desired requirements.	The battlefield includes SOME of the desired requirements.	The battlefield does not include ANY desired requirements OR the inclusions are insufficient.

Teacher Comments: _____

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