

# RESEARCH DESIGN

By Lori Welty

## Student Focus Group Interviews

Meet with groups of students and discuss the differences in their education before and after the project implementation. Traditional instruction versus an integration with 21st century skills and other resources.

## Photographs

The school has a lot of over 10,000 photos of students engaged in any projects. They have several pictures of students working on projects and their supplies which provide data on student engagement.

## Teacher Survey

Administer a survey to arts integrate teachers regarding their students' level of engagement. Possibly compare traditional instructional methods to those incorporating the use of 21st century skills integration.

## Rubric Results

Collect data from 21st century rubric. Both students and teachers assess 21st century skills based on individual and group engagement. Having students complete a performance and peer assessment rubric may support increased engagement. (This is similar to the end writing process described in the action research project.)

**Driving Question**  
How can we support teachers in achieving high levels of engagement as they integrate 21st century skills through arts integrated instruction?

**Research Question**  
To what extent does student self-assessment of 21st century skills impact student engagement?

## Video Observation

View student of engaged in arts integration during lesson instruction. Videos with some evidence of 21st century integration through activities, such as, arts based skills and strategies.

## Journals

Journals entries or reflections provided by students and/or teachers on the level of student interest and engagement during a given inquiry lesson or day.

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## Student Focus Group Interviews

Meet with groups of students and discuss the differences in their education before and after the impact of implementing traditional instruction versus an integration with 21st century skills and other subjects.

## Photographs

The school has a lot of nice photos of students engaged in arts integration history. Need instructions. Visit at website and/or accept video photo data on student engagement.

## Teacher Survey

Administer a survey to arts integration teachers regarding their academic level of engagement. Possibly compare traditional instructional methods to those incorporating the use of 21st century skills integration.

## Rubric Results

Collect data from 21st century rubrics. Both students and teachers assess 21st century skills based on individual and group engagement. Having students complete a pre-assessment and post-assessment allows me to assess increased engagement. (This is similar to the pre/post process described in the action research project.)

**Driving Question**  
How can we support teachers in achieving high levels of engagement as they integrate 21st century skills through arts integrated instruction?

**Research Question**  
To what extent does student self-assessment of 21st century skills impact student engagement?

## Video Observation

View videos of engaged in arts integration activities based on traditional instruction. Videos will show evidence of 21st century competencies through activities, such as, art based skills and strategies.

## Journals

Journals assess a reflection provided by students and/or teachers on the level of student interest and engagement during a given activity week or day.

## Driving Question

**How can we support teachers in achieving high levels of engagement as they integrate 21st century skills through arts integrated instruction?**

## Research Question

To what extent does student self-assessment of 21st century skills impact student engagement?

## **Video Observation**

View videos of engaged in arts integration inquiry based instruction. Videos will show evidence of 21st century integration through activities, such as, arts based skills and strategies.

## Teacher Survey

Administer a survey to arts integration teachers regarding their students' level of engagement. Possibly compare traditional instructional methods to those incorporating the use of 21st century skills integration.

## **Student Focus Group Interviews**

Meet with groups of students and discuss the difference in their education before and after the magnet implementation; traditional instruction versus art integration with 21st century skills and other reforms.

## Photographs

The school has a file of over 10,000 photos of students engaged in arts integration inquiry based instruction. View as artifacts and time samples which provide data on student engagement.

## Rubric Results

Collect data from 21st century rubrics. Both students and teachers assess 21st century skills based on individual and group engagement. Having students complete a pre-assessment and post-assessment rubric may support increased engagement. (This is similar to the goal setting process described in the action research project.)



# Journals

Journals entries or reflections provided by students and/or teachers on the level of student interest and engagement during a given inquiry center or unit.