Our Goal: Ownership of Learning by All Students

AFL + STEM + Depth & Complexity

Becky G. Williams
bwilliams@dentonisd.org
My 2018-2019 Journey

1. What did I try?
2. How is it different from what I have done in the past?
3. What did I notice in students as a result?
4. Would I do it again? Why or why not?
5. If so, what modifications might I make?
I can provide a learning environment that empowers all students to own their learning by incorporating Assessment for Learning strategies, STEM and Depth & Complexity so that every student will grow as a learner, a thinker and a problem solver in their real world for life.
Ownership of learning by all students can only happen in a goal/learning oriented environment.
I can recognize & celebrate my feelings of confusion, uncertainty & frustration as evidence of productive struggle, being in the learning pit. This is how I know I’m really learning.
STEM Club 2018-2019

Arcade Progression

https://docs.google.com/spreadsheets/d/1ohJZ-eH65zUVWOhWBPMmJP15JHlge4Vq5W9Ba8twyQ/edit?usp=sharing
STEAM Club 2017-2018

Application
https://goo.gl/forms/W3idxlCgbE36v3v82

Specializations
https://goo.gl/forms/3hTtYW5Ffm4Y8WZj2
STEAM Lab

https://drive.google.com/drivefolders/1so-njCUSNebA-FtY9FFv5fpE7Mhso-R8?usp=sharing
Targets for Assessment for Learning

.....help students take more ownership of their learning.
AFL Student
Self Reflection, Feedback, Tracking & Goal Setting
Tracking of Learning

Playbook Data Tables
https://drive.google.com/open?id=1k2xPRfWgw1eK-quaqUxBcYcOomA03Tuav_RGblkQkbQ

Playbook Graphs for Analyzing Data: Graphing Target Trends Over the Year
https://docs.google.com/spreadsheets/d/1VFxxYWEcCVOGQfIY3c0cCsFxAL7XxnWwKzGXR5eSlk9w/edit?usp=sharing
Proof Cards: Freshgrade Entries

February 18

Self Assessment/Proof of my Learnings

1. I used to think day and night was caused by Earth’s rotation but now I know there is more to it than just that. The Earth rotates counter-clockwise to where the sun “comes up” in the east and sets in the west.

2. The most interesting fact I learned about the effects of Earth’s rotation is that the Earth rotates counter-clockwise.

3. The muddiest concept is how the Earth stays in orbit.

4. How does the Earth stay in orbit?

5. Based on my new learnings I can conclude what causes day and night and shadows! I am more aware of how the sun isn’t moving but we are.

6. If Earth stopped rotating at 12:00 pm we would have day time forever! We our shadows would always be super short!

February 12

I noticed I was most successful with showing noon, dusk, midnight, and
Depth and Complexity

https://docs.google.com/document/d/1a28K0QXiWoy4_mXA3zJv2gMYP2p98giYvrW5P GA4CaU/edit?usp=sharing
Join my Google Classroom using this code, 71tg3yh.
My next steps...
My Why...
I can provide a learning environment that empowers all students to own their learning by incorporating Assessment for Learning strategies, STEM and Depth & Complexity so that every student will grow as a learner, a thinker and a problem solver in their real world for life.