Our Goal: Ownership of Learning by All Students

AFL + STEM + Depth & Complexity

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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.
YOU CANNOT TEACH A MAN ANYTHING; YOU CAN ONLY HELP HIM DISCOVER IT IN HIMSELF.

GALILEO GALILEI
Scribble Bots

Rube Goldberg Machines

Cubelets

STEM
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/drive/folders/1so-njCUSNebA-FtY9FFv5fpE7Mhso-R8?usp=sharing
Learning Targets for 7 Strategies of Assessment for Learning

.....help students take more ownership of their learning.

https://docs.google.com/presentation/d/1RMNRsHbvSuNuyDYogh51oGo0g9I8CHM7eMUUidonDbA/edit?usp=sharing
AFL Student Self Reflection, Feedback, Tracking & Goal Setting

https://drive.google.com/open?id=13uPXt5M7UpyIpCV0Wki2xWTV-_W8CzFw_Mk9VxMsauo
Tracking of Learning

Playbook Data Tables
https://drive.google.com/open?id=1k2xPRfWqw1eK-guaqUxBcYcOomA03Tuav_RGblkQkbQ

Playbook Graphs for Analyzing Data: Graphing Target Trends Over the Year
https://docs.google.com/spreadsheets/d/1VFxxYWEcCVOGQfIY3c0CcFxAi7XnWwKzGXR5eSlk9w/edit?usp=sharing
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!

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

Introduction to Icons
https://www.cde.state.co.us/gt/workshopslidenotes

Depth and Complexity in Science
https://www.smore.com/hegzs

Think Like A...Becoming an Expert
https://www.smore.com/nahty

The Gifted Guru
http://www.giftedguru.com/
https://www.jtayloreducation.com/

Byrd Seed http://byrdseed.com/
The Differentiator http://byrdseed.com/differentiator/

Include while Unpacking TEKS
https://docs.google.com/document/d/1a28KQ2QXWoy4_mXA3zJv2gMYP2p98qJyrvWSPGA4CsU/edit?usp=sharing

Include in Lesson Plans
http://www.giftedguru.com/landforms-salt-cellar/
Science & Social Studies

Dear Parents and Guardians

Each evening your 5th grader will have science or social studies to teach to you and discuss with you. The concept could be new learning or review. Each morning students will receive the homework, a new stimulus, to connect to and discuss with peers. Deeper connections will be made the beginning of science/social studies class then taken home and shared with you each evening.

Today the stimulus is of a ___________. The vocabulary behind the connected concepts include..... Feel free to deepen and extend your 5th grader’s learning by asking questions and sharing your knowledge.

Sincerely,
Mrs. Williams
Join my Google Classroom using this code, 71tg3yh.
My next steps...

1. Mission Mondays (student goals and gap closing)
   https://docs.google.com/presentation/d/1vWX3NO-iTiZkyiM2q50XWPifsvLBC2orstTW48PQEOE/edit?usp=sharing

2. Incorporate Depth and Complexity in Lesson Planning, Student Assignments and Homework
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.