Please note that there are several links throughout the presentation and most of the images are linked to helpful resources. This slideshow may be best viewed in presentation mode.

Why we give up the time

- Authentic project based learning
- Students have a chance to be a scientist
- Individual student choice
- Application of SEPs
NGSS

- Scientific And Engineering Practices
  - Asking Questions and Defining Problems
  - Developing and Using Models
  - Planning and Carrying Out Investigations
  - Analyzing and Interpreting Data

Quoted text from Peter A'Hearn
Scaffolds to be Successful

- Intentional year long planning
- Scaffolds in place for skills
- Remove scaffolds as year progresses
- Formatively assess through the year
- Reference section in BLABN
Project Overview

- Lab notebook
- Scientific “journal worthy” paper
- Poster presentation of research
- Teacher Notes - with links to all other documents
Choose a Topic

- Lab review day
- Interest form with possible organisms and topics
- Research Design template to get started
Students are working on their

Kids are given the checklist that they should be focusing on each day

Check-ins are a MUST through the project

Working through scientific process - give a deadline for starting data collection, end data collection

Our calendar
Research in Progress

- This should happen periodically so kids get feedback from each other and can help each other
- Skill must be taught prior to this
Journal Worthy Paper & Poster

- Once kids have finished their experiment they are given the paper checklist - working with English teachers this year
- Only 20% of the paper matches the Paper
- Includes an Abstract

Tri-fold poster to present work - similar to a science symposium or research day
Student Scholar Day

- Invite parents, community members, school administration, classmates
- Students stand at poster during their class hour for half time and walk other half
Any other questions, comments, concerns? Please contact us any time with thoughts or ideas to share.


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