PLTW Launch Logs

From Implementation Through Assessment

Overview

- Welcome and Introductions
- Overview of Launch Logs
- Launch Log Implementation Strategies
- Assessing PLTW Launch Logs
- Q and A

SPARKING CURIOSITY

Facilitators

Lori Fields

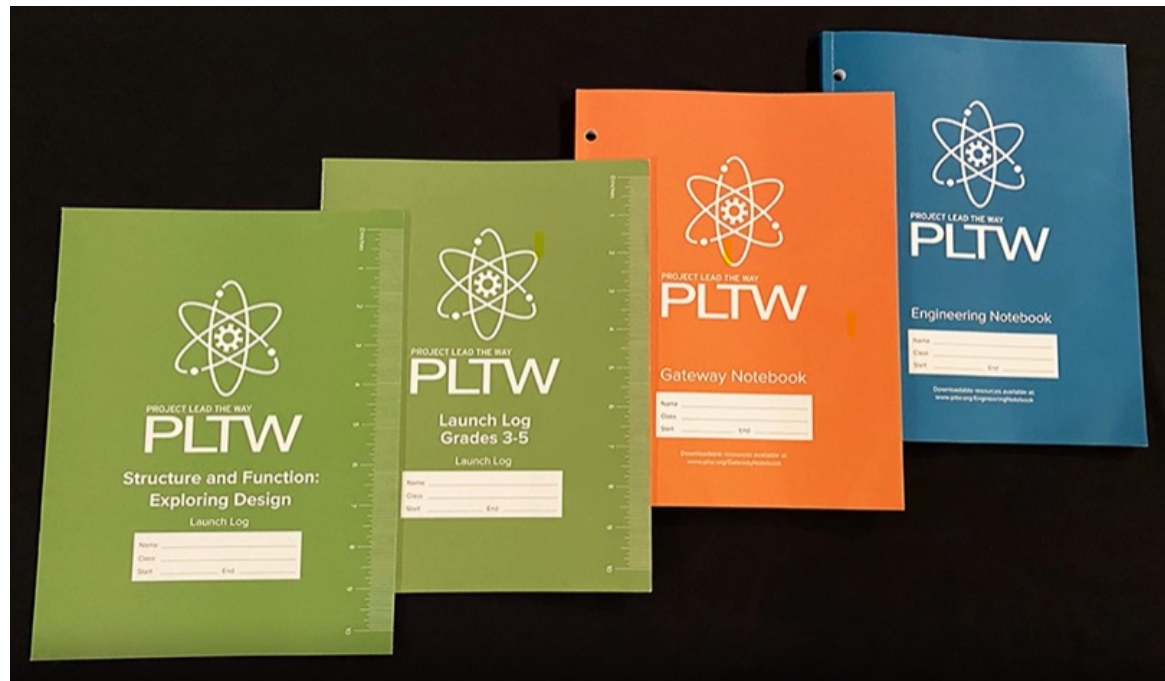**Instructional Developer**

Flora Gasca

Instructional Developer

PLTW Launch Logs are science and engineering notebooks that PreK–5 students use to document their learning throughout a module. The PLTW Launch Log is not a traditional workbook nor a collection of worksheets, but it is designed to be an age-appropriate version of a professional engineering notebook.

How do you use PLTW Launch Logs in your classroom?

From Launch Logs to Engineering Notebooks

Exploring PLTW Launch Logs

- Explore a grade-level PLTW Launch Log at your table.

- Consider the scaffolding of student learning.

- On a sticky note, answer the following:

  - What are the benefits of using PLTW Launch Logs with your students?

  - What are some barriers for implementing or using PLTW Launch Logs with your students?

Implementation Strategies

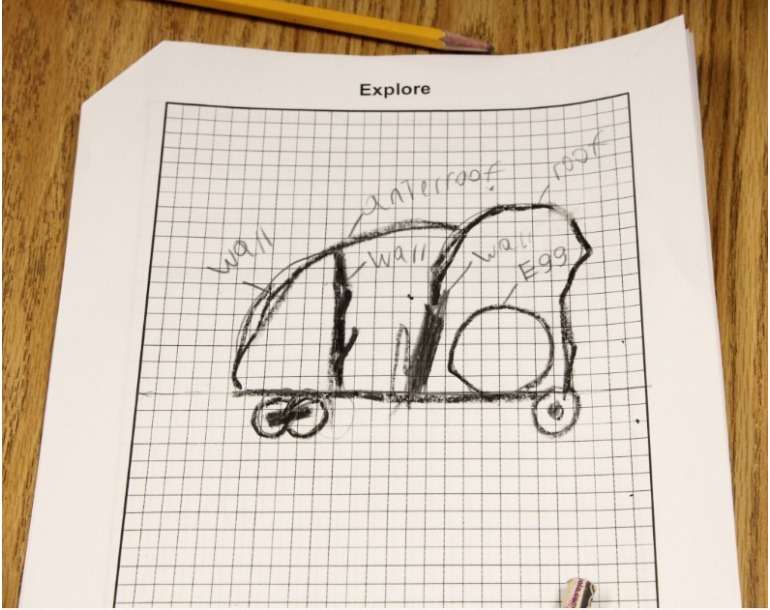**Development of PLTW Launch Log Implementation for Teachers**

Criteria	Basic A teacher who has reached the *highest level* of the Basic level should be able to do the following:	Proficient A teacher who has *just reached* the Proficient level should be able to do the following:	Advanced A teacher who has *just reached* the Advanced level should be able to do the following:
Purpose – The PLTW Launch Log is used as a…	• Set of worksheets • Recording device	• Resource • Tool	• Learning tool
Actions – The teacher…	• Dictates what to record or leaves all decisions open to the students • Reminds or suggests that students use particular strategies to record their thinking	• Guides development of the notebook through supports and scaffolding • Continues to guide development and provides opportunities for students to self-assess their entries	• Structures opportunities to help students determine meaningful ways to collect and organize data and to synthesize their thinking
Focus – The teacher focuses on…	• Science activity and basic elements • Basic elements and observations	• Science content • Student understanding of the scientific content	• Students using information in the notebook to push their understanding of the science content further

- Modeling
  - Classroom Launch Log
  - Highlighting
- Modifying PLTW Launch Logs
  - Sentence starters
  - Simplifying vocabulary
  - Diagrams
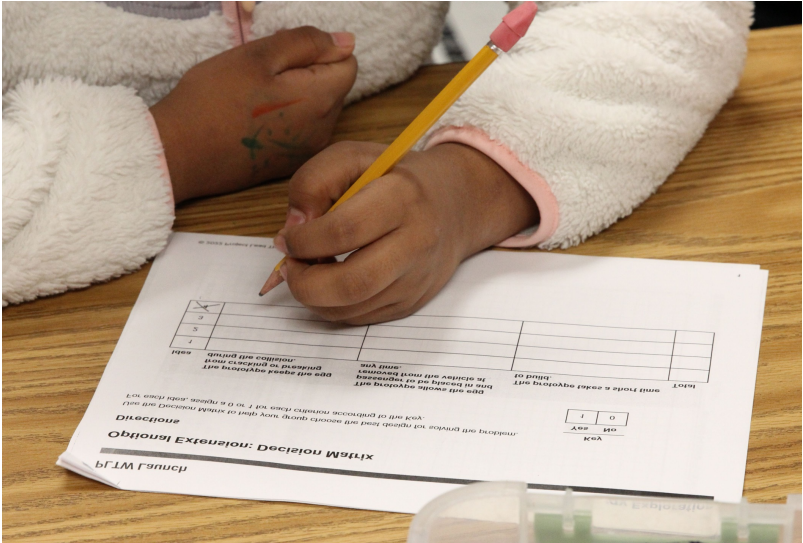 - Additional pages

Assessing PLTW Launch Logs

- Formative assessment tool for the teacher

- Self-assessment tool for students

- Creating a classroom rubric with your students
  - Allowing your students to identify the criteria of what should be included in their PLTW Launch Log can help hold them accountable.

Assessing PLTW Launch Logs

Assessing PLTW Launch Logs

Create a rubric with your group.

- Consider:
  - Grade level(s)
  - Criteria
  - Scaffolding
  - Evidence of student learning

Possible PLTW Launch Log Criteria

Neat	Organized	Titles	Labels
Diagrams	Sketches	Drawings	Graphs
Results	Vocabulary words	Highlights	Ideas
Brainstorm	Explanations	Page numbers	Constraints
Problem statement	Date	Name	Questions
Opinions	Improvements	Observations	Conclusions
Predictions	Design process	Charts	Graphic organizers
T-charts	Venn diagrams	Flow maps	Research

Mason and Bohl (2017) and Fulton, Paek, and Taoka (2017)

Thank you for joining us!

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A PLTW Launch Conference

- Resources - myPLTW
- Q & A