



Effectively Executing the Investigations Curriculum: The Launch

December 2016





Objectives and Agenda

Objectives:

- WWBAT evaluate the components of a math workshop launch
- WWBAT launch a workshop lesson while maintaining the integrity of the mathematics.

Agenda:

- Preparing for the math workshop launch
- Components of the Launch
- Launching a Worthwhile Mathematical Task
- Reflections/Action Steps





Preparing for the Math Workshop Launch

Start from the Exemplar

- Review the lesson/activity to be sure you understand the student learning for the day and how it connects to the grade level standard.
- Do the math! Solve the task using 2-3 strategies you anticipate students may use and order them in sophistication.
- Identify the connection between each strategy (how similar or different are they from each other).
- Prepare materials including your note taking tool.



Preparing for the Math Workshop Launch

Practice

Objective: Gain an understanding of student learning in the lesson by doing the math and anticipating student strategies.

Materials: Math lesson, handout

- Review the lesson/activity to be sure you understand the student learning for the day and how it connects to the grade level standard.
- Do the math! Solve the task using 2-3 strategies you anticipate students may use and order them in sophistication.
- Identify the connection between each strategy (how similar or different are they from each other).



Launch: See It

As you watch the video,

1. What does Ms. Ortagus say and do in this component of the launch?

2. What do you think she needed to do in order to prepare for this?



Core Idea:

When launching a new lesson, the content should explicitly build on students' prior skills and knowledge and students should be able to articulate these connections.



Activate Prior Knowledge

1. Post or create visual anchors from relevant previous lessons at the front of the room. (Anchors should highlight key vocabulary, student work/strategies, etc)
2. Deliver 1-2 targeted questions/prompts that could be used to activate this knowledge.

Remember

- This time is student driven
- No new knowledge is introduced
- Teacher uses Economy of Language to support with pacing
- Occurs in the first 1-2 min of the launch.





Activate Prior Knowledge: Practice

Practice

1. Using the lesson plan provided, determine the 2-3 most important mathematical understandings that could be made for this task.
2. List the foundational knowledge that needs to be activated for this task.
3. Create 1-2 potential prompts that could be used to activate foundational knowledge for this task.



Vision of Excellence: Introduce the Task

As you watch the [video](#),

1. What does the teacher say and do in this component of the launch?
2. Why is this effective?



Introduce the Task

Introduce the task, state the parameters, and then check for understanding

1. Use a visual anchor to introduce the new material for the day and model the activity.
 - a. Include the objective
 - b. Relevant vocabulary for the lesson
 - c. 3-4 short/concise steps on how to complete the activity
 - d. Leave space to record **student** strategies for solving
 - e. Includes sample recording sheet.
2. Incorporate CFU's to ensure students have clarity on the activity and your expectations for completion.

Remember

- Engage students in the model.
- Try to avoid revealing key concepts or highlighting key information in the problem that reveal hints.
- Should take no more than 5-7 minutes

Core Idea:

Today's lesson is the data for tomorrow's lesson. If we lead too much today, our data tomorrow is lost.



Introduce the task

Practice: partners or classroom teams

1. Using the lesson plan provided, develop a visual anchor that incorporates all the components. Ensure your anchor chart meets the criteria for success.

Gallery walk

- Star the one poster at each grade level that you feel meets the criteria for success.



Putting it All Together

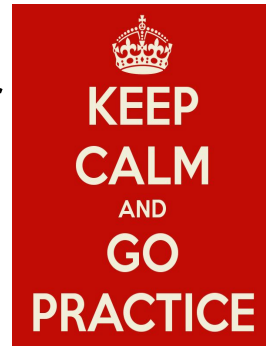
30 minutes

Objective: Practice executing the launch of a math workshop lesson according to the stated vision of excellence.

Materials: Cheat Sheet, Visual Anchor, Lesson Plan, Math Manipulatives for the lesson

Structure: Groups of 6: 1 teacher, 1 coach, 4 students

- 3 minute: Teacher delivers launch of the lesson using criteria for success
- 1 minute: Coach gives 1 glow and 1 grow, rooted in cheat sheet
- 1 minute: Teacher re-does sticky spot, incorporating feedback



Switch!