The Five Practices in Practice at a Glance

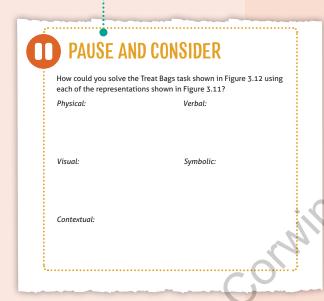
Candid quotes from been-there teachers illuminate the topic of each chapter.

While students are working and I'm checking in with them, I'm going to be thinking about how to sequence the math and the kids. I might have ideas, but I have to wait and see what they do. I'll be trying to see who's got something that can help us make sense of the math goals for today.

—ANDREW STRONG, FIFTH-GRADE TEACHER

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Pause and Consider moments invite teachers to reflect on and make connections to their own practice.



hat they have written or drawn. Using students' own n often be helpful. Be aware that what you anticipated do is not always what they end up doing. Asking students ns about their work is an important way to uncover how g about the task and their solution. As Ms. Tyus explained, itegies outlined and I have my assessing questions. But lappen in the task. They might do different things." ed this point, saying, "You never know what you're going ss" and that for him, the next step is "just to assess their ild you do this? Explain it to me." Assessing questions are use they can help you uncover what students are doing, that aligns with what you anticipated.

ng questions are most useful when they make students' in ways that can then help you move their thinking the lesson goals. You want to understand not only what it why they did it. Understanding the reasons behind a gy often provides the clues you need to help the student sosition or move deeper into the task.

TEACHING TAKEAWAY

Look and listen carefully.

Modify your planned assessing questions in real time based specifically on what students are doing and saying, rather than what you thought they would do or say.

Teaching Takeaways provide on-your-feet support for teachers, so they can jump into implementing the strategies discussed.

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Video showcase panels highlight the rich film footage available for each topic and include related questions for consideration.



Analyzing the Work of Teaching 2.1

Launching a Task





Video Clip 2.1

In this activity, you will watch Video Clip 2.1 from Tara Tyus's first-grade class.

As you watch the clip, consider the following questions:

- What did the teacher do to help her students get ready to work on the Ms. Tyus's Markers task?
- What did the teacher learn about her students that indicated they were ready to engage in the task?
- Do you think the time spent in launching the task was time well spent?

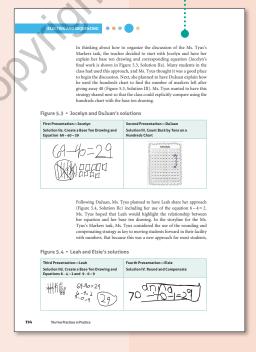


Videos may also be accessed at resources.corwin.com/5practices-elementary

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Illustrative vignettes and examples demonstrate real-world applications of the concepts discussed in each chapter.



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An in-depth Linking the Five Practices to Your Own Instruction feature helps teachers move even deeper into implementation, providing detailed support and additional reflective opportunities.

SELECTING AND SEQUENCING In the next chapter, we explore the practice of connecting. Here, we will return to Ms. Tyus's lesson and consider what it takes to engage in this practice and the challenges it presents. Linking the Five Practices to Your Own Instruction 💠 **SELECTING AND SEQUENCING** It is now time to reflect on the lesson you taught following Chapter 4, but this time through the lens of selecting and sequencing. 1. What solutions did you select for presentation during the whole group discussion? · Did the selected solutions help you address the mathematical ideas that you had targeted in the lesson? Are there other solutions that might have been more useful in meeting your goal? · How many solutions did you have students present? Did all of these contribute to better understanding of the mathematics to be learned? Did you conclude the discussion in the allotted time? Which students were selected as presenters? Did you include any students who are not frequent presenters? Could you have? 2. How did you sequence the solutions? • Did the series of presentations add up to something? Was the storyline coherent? Did you include any incomplete or incorrect solutions? Where in the sequence did they fit? 3. Based on your reading of this chapter and a deeper understanding of the practice of selecting and sequencing, would you do anything differently if you were going to teach this lesson again? 4. What lessons have you learned that you will draw on in the next lesson you plan and teach? 138

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Lasagna
There were two pans of lasagna at the school picnic. The parents cut each pan of lasagna into equal portions.
Tanesha has 2 portions from one pan, while David has 4 portions from the other pan. They both received the same amount of lasagna. How is this possible?

1. Show how the lasagna was divided into portions so Tanesha's 2 portions are equal to David's 4 portions.

2. Shade in the portion of lasagna eaten by each child.

3. Write fractions that describe each student's portion of the pan of lasagna.

4. Explain how you know that Tanesha and David each received the same amount of lasagna. Explain your thinking by referring to the pictures, symbols, and words.

Source Adapted from Hamilton County Department of Education Grade 4 Task 11.

Clearly designed tasks promote mathematical reasoning and problem solving.

CHALLENGE

DESCRIPTION

Students do not always articulate their thinking clearly. It can be quite demanding for teachers, in the moment, to figure out what a students are thinking

Students are thinking

Students are thinking or teachers, in the moment, to figure out what a students are thinking

Students are trying to say. This requires teachers to disten carefully to what students are saying and to ask questions that help them better explain what they are thinking.

As teachers are running from group to group, providing support, they need to be able to keep track of what each group is doing and what they left students to work on. Also, it is important for a teacher to return to a group in order to determine whether the advancing question given to them helped them make progress.

All individuals in the group need to be challenged to answer assessing and advancing questions. For individuals to benefit from the thinking of their peers, they need to be held accountable for listening to and adding on, repeating and summarizing what others are saying.

Challenge and Description charts distill and demystify some of the common issues teachers encounter when teaching the concepts at hand.

What It Takes/Key Questions

charts break down the critical components of the practice and explain what it takes to succeed and the questions you need to ask yourself to stay on track.

the components of this practice along with key questions to guide the process of monitoring.

Figure 4.1 • Key questions that support the practice of monitoring

WHAT IT TAKES	KEY QUESTIONS
Tracking student thinking	How will you keep track of students' responses during the lesson?
	How will you ensure that you check in with all students during the lesson?
Assessing student thinking	Are your assessing questions meeting students where they are?
	Are your assessing questions making student thinking visible?
Advancing student thinking	Are your advancing questions driven by your lesson goals?
	Are students able to pursue advancing questions on their own?
	Are your advancing questions helping students to progress?

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