## The Mathematics Lesson-Planning Handbook, Grades K-2 at a Glance

## A step-by-step guide to walk you through every facet of planning cohesive, standards-based mathematics lessons, including



Using your curriculum to think about all of your lessons as a cohesive progression across units, throughout the year


DECIDING ON PURPOSE
? Why Are You Building This Lesson?


Determining whether you're designing a lesson to focus on conceptual understanding, procedural fluency, or transfer of knowledge

Asking yourself essential questions about your standards-based learning intentions, lesson purpose, tasks, materials, lesson format, and how to anticipate and assess student thinking


## LAYING YOUR FOUNDATION

It Starts With Big Ideas,
Essential Questions, and Standards


CHOOSING TASKS
The Heart of a Lesson



## CHAPTER 9

## FRAMING THE LESSON

Formats

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| :---: | :---: |
| years. At this point, mani really wanted to |  |
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| Up the way they had been organizing the math class. She |  |
|  |  |
|  |  |
| They needed more opportunities to talk with one another and learn how to work together on problems. In order to facilitate this kind of shared experience, Imani knew that |  |
|  |  |
| facilitate this kind of shared experience, Imani knew that she would need to be available to monitor the students while they were working; she did not want to be tied up in an instructional group. She still believed in small-group working together more often. |  |
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| As Imani sat down with her team, she shared the following: I think we really need to take a look at our lesson format. We have been using the same center/math rotations for years. am not sure we are building enough opportunities for math |  |
|  |  |
|  | alar |



PLANNING TO
LAUNCH THE LESSON



## In every chapter you will find





Chapter 5 - Deciding on Purpose 63

Bolded key terms that are defined in a glossary in Appendix D

## HOW DO IDENTITY AND AGENCY <br> HOW DO IDENTITY AND AGENC INFLUENGE LESSON PLANNING?

Identity and agency are two concepts that help teachers understand the dynamics that take place in a class-
coom, which, in turn, helps teachers better understand their students and how best to meet their needs. Identity how individuals know and see themselves (i.e., student, teacher good aow best to meet their needs. Idennity know and see us (i.e., short, smart, African American). When defined broadly, identity is a concept that brings ogether all the interrelated elements that teachers and students bring to the classroom, including beliefs, at-

Agency is the power to act. Students develop their agency when they actively engage in the learning process . ngagement on a regular basis.
The types of lessons teachers design, the approach they take to teaching, the tasks they select, the types of questions they ask, the classroom climate, and social norms of the classroom all affect student engagement and are influenced by the teachers' identity. For example, in a classroom where the teacher sees his or her identity is the giver of knowledge, students are passive recipients of knowledge, working individually at their desks on In addition, student identities are lost as they are treated as a group with all the same learning needs rather than
5 individuals with unique learning needs.
If teachers think about teaching and learning as social activities (Vgotsky, 1962, 1978), then they must take the initiative to put structures into place in the classroom that support the social nature of learning. These


Appendix A shows how the complete lesson plan has come together for each grade


Additional key reading and online resources you may find useful in Appendix $C$

## Appendix C



A blank lesson-planning template in Appendix B (also available for download at resources.corwin .com/mathlessonplanning/k-2) for your ongoing use


