



Planning for Instruction

Introduction

This guide explores the course and lesson planning resources for Prentice Hall Algebra 1, Geometry, and Algebra 2. It discusses the support available to help teachers map out their course for the year ahead. The guide also shows the resources that help teachers prepare to teach a chapter and plan for a day of instruction.

Plan the Year Ahead

For teachers who create a curriculum maps at the beginning of the school year, the Course Pacing Guide and Online Lesson Planner can help plan the year ahead.

Course Pacing Guide

The Course Pacing Guide is located near the front of the Teacher’s Edition. This guide helps teachers customize the course for the year.

| | | Basic | Average | Advanced |
|--|--|-------|-------------------------------|----------|
| Chapter 1 Foundations for Algebra | | | Traditional 12 Block 6 | |
| 1-1 | Variables and Expressions | ○ | ○ | ○ |
| 1-2 | Order of Operations and Evaluating Expressions | ✓ | ○ | ○ |
| 1-3 | Real Numbers and the Number Line | ✓ | ○ | ○ |
| 1-4 | Properties of Real Numbers | ✓ | ✓ | ✓ |
| 1-5 | Adding and Subtracting Real Numbers | ✓ | ○ | ○ |
| Concept Byte: Always, Sometimes, or Never | | ✓ | ✓ | ✓ |
| 1-6 | Multiplying and Dividing Real Numbers | ✓ | ✓ | ✓ |
| Concept Byte: Closure | | ✓ | ✓ | ✓ |
| 1-7 | The Distributive Property | ✓ | ✓ | ✓ |
| 1-8 | An Introduction to Functions | ✓ | ✓ | ✓ |
| Concept Byte: Using Tables to Solve Equations | | ✓ | ✓ | ✓ |
| Review: Graphing in the Coordinate Plane | | ○ | ○ | ○ |
| 1-9 | Patterns, Equations and Graphs | ✓ | ✓ | ✓ |

The plan is written for 160 days of instruction based on a traditional 45-minute class period or a 90-minute block period. It includes suggestions for differentiating instruction for basic, average, and advanced classes.

Online Lesson Planner

Teachers can use the Lesson Planner on PowerAlgebra.com and PowerGeometry.com as a time-saving tools to schedule their courses in just a few clicks.

Teachers can block out specific days and hide the lessons they do not want to schedule. With a final click, the planner is populated with the course curriculum, which places the lessons, standards, and resources in one convenient location.

Prepare to Teach a Chapter

After teachers map out their curriculum, they can choose features and resources to help them prepare to teach a chapter, including the Math Background and Resources pages as well as the Pacing and Assignment Guide.

Math Background

The Math Background page provides ongoing professional development that clarifies the chapter Big Ideas and Essential Understandings. It provides an explanation of the key concepts along with a description of common errors. With this information, teachers can respond to math errors as they occur.

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| Pacing and Assignment Guide | The Pacing and Assignment Guide provides guidelines for pacing lessons, chapter review, and assessment. Teachers can find suggestions for both traditional and block scheduling. For example, teachers can find assignments for traditional scheduling based on the ability level of their class and assignments for block scheduling. |
| Chapter Resources | The Resources page includes a list of both the interactive online assets, such as Dynamic Activities, and print resources for each part of the lesson. The key at the top of the page defines the type or location of each resource. This page helps teachers identify exactly what is available for each lesson in the chapter. There are resources available for a variety of classroom environments, so teachers can choose the resources that meet the needs of your students. |
| Plan a Lesson | After preparing to teach the chapter, teachers can begin to plan for the lessons. |
| Teacher’s Edition Support | <p>Teachers can find helpful suggestions and teaching tips in the wrap of their teacher’s edition for each part of the lesson. The Preparing to Teach section recaps the Big Ideas, Essential Understandings, and Math Background.</p> <p>This information helps connect the skills and concepts presented in the lesson to the Big Idea and Essential Understandings. There are also suggestions for helping students prevent common errors as well as tips for visual and tactile learners.</p> |
| Leveled Resources | Leveled Lesson Resources are included at the end of each lesson. These leveled lesson resources provide a detailed blueprint for instruction, assessment, and remediation. They include specific prescriptions to personalize review assignments. Every lesson also includes instructional support for English learners. |
| Online Lesson Resources | <p>Teachers have access all of the leveled resources on PowerAlgebra.com and PowerGeometry.com. To access these resources, click the Teacher Resources link on the Teacher Center Home page. From the Home page, teachers can also find additional instructional resources, such as editable worksheets, extra practice, activities, games, and puzzles.</p> <p>The online Lesson Planner available on PowerAlgebra.com and PowerGeometry.com enables teachers to plan and customize their lessons for every class period. Teachers can access lesson resources directly from each lesson plan, which saves them valuable time. To learn more about how to plan lessons online, watch the Lesson Planner tutorial on this Web site.</p> |
| Review | <p>This guide examined a variety of planning resources for Prentice Hall Algebra 1, Geometry, and Algebra 2. It discussed the support available to help teachers map out their courses for the year ahead. The guide also showed the resources that help teachers prepare to teach a chapter. Finally, the guide discussed planning for a day of instruction.</p> <p>For more information, please watch the other Prentice Hall High School Math series tutorials on this Web site.</p> |