

AMP Math: How Will You Teach AMP Math?

Introduction

AMP Math is a unique middle and high school intervention program. This guide reviews the pacing of AMP Math as well as what is covered using AMP Math for a full-year course, semester-long course, after school, or in summer school. It will look at what is covered in the first week of class.

The way teachers use AMP Math can be adapted to the needs of any individual school. AMP Math is structured so that teachers can pace the course to meet their needs.

This guide is divided into sections, depending on how each individual will use AMP Math. The sections are as follows:

- Entire year with 45–50-minute classes
- Entire year with 90-minute classes
- Summer school
- After school
- Semester-long intervention course

Scroll to the section that best represents the way you'll use AMP Math.

Entire Year 45–50-Minute Classes

If you are teaching AMP Math for the entire year in forty-five- to fifty-minute classes, you'll follow the pacing chart found on page T46 of the Teacher's Edition.

FLEXIBLE PACING IN THE AMP MATH SYSTEM

Daily lessons for two options are described on the following pages. Either option can be adapted to the needs of your particular school or district.

Pacing for 45–50 minute class periods

Regular year-long classes that meet daily

- Classes that meet daily for 45–50 minutes will complete Unit 1 in 11 weekdays and Units 2–7 in 25 weekdays.

Other classes not meeting daily, such as summer school, after-school, or semester-long intervention courses

- For one-semester math intervention courses, use Volume 1 of the Student Guide and Teacher's Edition and the first three AMP Link Magazines.

For 90-minute class periods, see page T48.

Unit 1

WEEK 1				
Day 1	Day 2	Day 3	Day 4	Day 5
INTRODUCE THE UNIT • Introduce the Theme • Introduce the Strategies • Set goals	Lesson 1: The Four-Step Problem-Solving Plan Student Guide • Draw a Picture or Use a Model • Vocabulary	Lesson 2: Problem-Solving Strategy Student Guide • Find a Pattern • Vocabulary	Lesson 3: Problem-Solving Strategy Student Guide • Find a Pattern • Vocabulary	Lesson 4: Problem-Solving Strategy Student Guide • Make a List • Vocabulary
WEEK 2				
Day 6	Day 7	Day 8	Day 9	Day 10
Lesson 5: Graphic Organizers Student Guide • Graphic Organizers • Vocabulary	REVIEW & EVALUATE • Review • Respond • Set Goals	Lesson 6: Problem-Solving Strategy Student Guide • Try a Simpler Form of the Problem • Vocabulary	Lesson 7: Problem-Solving Strategy Student Guide • Make a Table or a Chart • Vocabulary	Lesson 8: Problem-Solving Strategy Student Guide • Guess, Check, and Revise • Vocabulary
WEEK 3				
Day 11	Day 12			
Lesson 9: Graphic Organizers Student Guide • Graphic Organizers • Vocabulary	REVIEW & EVALUATE • Review and Record What You Learned!			

T46

In the first half of the year, you'll teach the first volume of AMP Math. It will take approximately eleven weekdays to teach Unit 1 and twenty-five weekdays to teach Units 2–7. It will take approximately eight

weeks to teach the first volume of AMP Math.

Remember, Volume 1 covers Units 1–4 and Volume 2 covers Units 5–7.

The second volume will be taught in the second half of the year and will follow similar pacing.

If you look at the pacing chart for a forty-five- to fifty-minute class, the unit introduction, lessons, reflect and evaluate sessions, and assessment sessions are designed to take one class period. Two of these activities can be accomplished in one ninety-minute class period.

Fill out the Calendar

In your calendar, go to the month and date that you will start teaching AMP Math. As an example, start on the first Monday in September. Fill in the planner and the lessons for the first week:

- Monday, introduce the unit.
- Tuesday, teach Lesson 1.
- Wednesday, teach Lesson 2.
- Thursday, teach Lesson 3.
- Friday, teach Lesson 4.

To learn more about how to teach an AMP Math lesson, please watch the *Get Ready for Instruction* and *Teaching a Lesson* tutorials on this Web site.

Just plan for the first week of teaching because plans can change. AMP Math sets up how to teach the course and recommends time frames for covering the material. With AMP Math, you'll know where you should be and what you'll need to cover with your class.

Remember, this pacing is just for Volume 1. Volume 2 will be covered in the second half of the year.

Entire Year 90-Minute Classes

If you are teaching AMP Math for the entire year in ninety-minute class periods or in a block schedule, you'll find the pacing chart on pages T48 and T49 of the Teacher's Edition.

WEEK 4				
Day 16 Lesson 15: LEARN THE BARS MATH SKILL Student Guide • Learn the Skill • Your Turn • Solve on Your Own VOCABULARY Student Guide • Choose the Right Word	Day 17 Lesson 16: Choose a Strategy PROBLEM-SOLVING Student Guide • Strategies • Your Turn • Solve on Your Own VOCABULARY Student Guide • Choose the Right Word READING Student Guide • Read on Your Own AMP Link Magazine	Day 18 Lesson 15: Application PROBLEM-SOLVING Student Guide • Solve It! • Your Turn • Solve on Your Own AMP Link Magazine READING Student Guide • Read on Your Own AMP Link Magazine	Day 19 Lesson 16: LEARN THE BARS MATH SKILL Student Guide • Learn the Skill • Your Turn • Solve on Your Own VOCABULARY Student Guide • Choose the Right Word	Day 20 Lesson 17: Choose a Strategy PROBLEM-SOLVING Student Guide • Strategies • Your Turn • Solve on Your Own VOCABULARY Student Guide • Choose the Right Word READING Student Guide • Read on Your Own AMP Link Magazine
WEEK 5				
Day 21 Lesson 16: Application PROBLEM-SOLVING Student Guide • Solve It! • Your Turn • Solve on Your Own AMP Link Magazine READING Student Guide • Read on Your Own AMP Link Magazine	Day 22 Lesson 17: Connections MATH SKILL Student Guide • Put It Together • Your Turn • Show That You Know	Day 23 Lesson 18: Review and Practice	Day 24 REFLECT & EVALUATE	Day 25 END-OF-COURSE ASSESSMENT
Pacing for 90-minute class periods				
Unit 1				
Day 1 45 min. INTRODUCE THE UNIT • Introduce the frame • Introduce the strategies • Set goals	Day 2 45 min. Lesson 1: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 3 45 min. Lesson 2: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 4 45 min. Lesson 3: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 5 45 min. Lesson 4: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary
Day 6 45 min. Lesson 5: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 7 45 min. Lesson 6: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 8 45 min. Lesson 7: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 9 45 min. Lesson 8: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 10 45 min. Lesson 9: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary
Day 11 45 min. Lesson 10: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 12 45 min. Lesson 11: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 13 45 min. Lesson 12: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 14 45 min. Lesson 13: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary	Day 15 45 min. Lesson 14: Problem-Solving Strategy Student Guide • Apply a Picture or Use a Model • Vocabulary

Unit 1 will take approximately 6 ninety-minute class periods. Units 2–7 will take approximately 15 ninety-minute class periods or five weeks, depending on how many times per week your class meets.

If there are shortened class periods on some days—whether it’s for an early dismissal, in-service day, or holiday—AMP Math provides a strategy for how to teach as a thirty- or forty-five-minute class on those days.

Fill out the Calendar

In your calendar, go to the month and date you’ll start teaching AMP Math. As an example, start on the first Monday in September, and assume you are teaching 3 ninety-minute classes per week. Fill in the planner and the lessons for the first week:

- Introduce the unit and teach Lesson 1 on the first day the class meets.
- In the next class period, teach Lessons 2 and 3.
- In the third and final class of the week, teach Lessons 4 and 5.

To learn more about how you’ll teach an AMP Math lesson, please watch the *Get Ready for Instruction* and *Teaching a Lesson* tutorials on this Web site.

Just plan for the first week of teaching because plans change. AMP Math sets up how to teach the course and recommends time frames for covering the material. With AMP Math, you’ll know where you should be and what you’ll need to do to cover the material with your class.

Remember, this pacing is just for Volume 1. Volume 2 will be covered in the second half of the year.

Summer School

If you are teaching summer school with AMP Math, you'll just use one volume of the Student Guide, Teacher's Edition, and the first three of the six AMP Link Magazines.

In your AMP Math summer school class, you'll cover Units 1–4, which involves approximately twenty lessons of the Student Guide. You'll spend about eleven class periods or three weeks on Unit 1. Units 2–4 will be covered in approximately five weeks or twenty-five class periods.

Keep in mind that this schedule reflects a perfect world, where there are no days off school and no need for adjustments in the schedule.

Fill out the Calendar

In your calendar, go to the month and date you'll start teaching AMP Math. As an example, start on the first Monday in June. Fill in the planner and the lessons for the week:

- Monday, Introduce the Unit.
- Tuesday, teach Lesson 1.
- Wednesday, teach Lesson 2.
- Thursday, teach Lesson 3.
- Friday, teach Lesson 4.

To learn more about teaching an AMP Math lesson, please watch the *Get Ready for Instruction* and *Teaching a Lesson* tutorials on this Web site.

Just plan for the first week of teaching because plans can change. AMP Math sets up how to teach the course and recommends time frames for covering the material. With AMP Math, you'll know where you should be and what you'll need to cover with your class.

Continue filling in your calendar: it might be helpful to see how much material you'll cover in your summer school AMP Math class.

Remember, this pacing is just for Volume 1.

After School

If you are teaching AMP Math in an after-school program, you'll just use one volume of the Student Guide, Teacher's Edition, and the first three of the six AMP Link Magazines.

In an after-school program, you'll most likely cover Units 1–4, which totals approximately twenty Student Guide lessons.

You'll spend about eleven class periods or three weeks on Unit 1. Units 2–4 will be covered in approximately five weeks or twenty-five class periods.

Keep in mind that this schedule reflects a perfect world, where there are no days off school and no need for adjustments in the schedule.

Fill out the Calendar

In your calendar, go to the month and date you'll start teaching AMP Math. As an example, start on the first Monday in September. Fill in the planner and the lessons for the week:

- Monday, Introduce the Unit.
- Tuesday, teach Lesson 1.
- Wednesday, teach Lesson 2.
- Thursday, teach Lesson 3.
- Friday, teach Lesson 4.

To learn more about how to teach an AMP Math lesson, please watch the *Get Ready for Instruction* and *Teaching a Lesson* tutorials on this Web site.

Just plan for the first week of teaching because plans can change. AMP Math sets up how to teach the course and recommends time frames for covering the material. With AMP Math, you'll know where you should be and what you'll need to cover with your class.

Continue filling in your calendar: it might be helpful to see how much material you'll cover in the after school AMP Math class.

Semester-Long Course

If you are teaching AMP Math as a semester-long intervention course, you'll only use Volume 1 of the Student Guide and Teacher's Edition, as well as three of the AMP Link Magazines.

You'll most likely cover Units 1–4, which is approximately twenty Student Guide Lessons. You'll spend about eleven class periods or three weeks on Unit 1. Units 2–4 will be covered in approximately five weeks or twenty-five class periods.

Keep in mind that this schedule reflects a perfect world, where there are no days off school and no need for adjustments in the schedule.

Fill out the Calendar

In your calendar, go to the month and date you'll start teaching AMP Math. As an example, start on the first Monday in September. Fill in the planner and the lessons for the week:

- Monday, introduce the unit.
- Tuesday, teach Lesson 1.
- Wednesday, teach Lesson 2.
- Thursday, teach Lesson 3.
- Friday, teach Lesson 4.

To learn more about how to teach an AMP Math lesson, please watch the *Get Ready for Instruction* and *Teaching a Lesson* tutorials on this Web site.

Just plan for the first week of teaching because plans can change. AMP Math sets up how to teach the course and recommends time frames for covering the material. With AMP Math, you'll know where you should be and what you'll need to cover with your class.

Continue filling in your calendar: it might be helpful to see how much material you'll cover in the AMP Math semester-long course.

Review

This guide introduced the pacing of AMP Math. It also discussed, in separate sections, what is covered using AMP Math for a full-year course, semester-long course, after school, or in summer school.

To learn more about AMP Math, please watch the other AMP Math tutorials on this Web site.