# MATHEMATICAL MASTER

Swift, Decisive, Efficient

Your time for ACT prep each week is limited, so you'll need to follow an **efficient** study plan that makes the most of it. This means you'll need to make **swift decisions** about exactly what you'll need to study—and when. Your study plan will help you pinpoint those objectives that will earn you the most points on test day. You'll continue to sharpen your Math skills while building a strong foundation in English, Reading, and Science.

**How to Use Your Study Plan:** Each week, the Recommended chapters cover the topics that are worth the most points on the ACT, so be sure to prioritize those items. To make your prep as efficient as possible, choose Optional items that best fit your study needs and schedule. If you fall behind or don't have 4 full weeks to study, be sure to prioritize the Recommended items. Happy prepping!



### **Foundations of the ACT**

Knowing what to expect on each section of the ACT will give you confidence on test day—you'll have no surprises about what types of questions you'll be asked.

During this week, you'll:

- Become comfortable with the structure of the ACT
- Learn the Kaplan Methods for each test section

#### Week 1

Overall Study	English and Reading	Math	Science
Recommended:  Chapter 1: Inside the ACT Explore the test maker's website and register for the ACT	Recommended:  Chapter 2: The Method for ACT English Chapter 15: The Method for ACT Reading	Recommended:  Chapter 7: The Method for ACT Math Questions	Recommended:  Chapter 22: The Method for ACT Science
Optional:  □ Practice Test E (online)  □ Review Practice Test E  □ Chapter 27: The Method for the ACT Writing Test (If you're unsure about whether to take the essay on test day, check out the section Should I Write the ACT Writing Test?)	Optional:  Online Video: The Method for ACT English Online Video: The Method for ACT Reading Questions	Optional:  Online Video: The Method for ACT Math	Optional:     Online Video: The     Method for ACT Science



<sup>1</sup> Month Study Plan, Most Confident in Math, Less than 5 Hours per Week

### **High-SmartPoints Topics**

Let's cut right to the chase: some topics are tested on the ACT more heavily than others. Kaplan has assigned a SmartPoints number to each topic on the ACT—the higher the SmartPoints number, the more that topic is tested. That means that mastering those topics with the highest SmartPoints values has the potential to earn you a ton of points on test day.

#### During this week, you'll:

- Maximize your Math skills by focusing on high-SmartPoints topics
- Lay the groundwork for success in English and Science by studying high-SmartPoints topics
- Master the foundations of strategic Reading

#### Week 2

English and Reading	Math	Science
Recommended: Choose one or both: ☐ Chapter 3: Spotting and Fixing Errors ☐ Chapter 16: ACT Reading Passage Strategies	Recommended: Choose one or both: Chapter 8: Number and Quantity Chapter 10: Algebra	Recommended:  Chapter 23: Data  Data Representation Passages  Detail and Interpretation  Questions
Optional: ☐ Chapter 17: ACT Reading Question Types	Optional:  Chapter 9: Rates, Ratios, Proportions, and Percents	Optional:  Chapter 24: Experiments  Choose one or both:  Research Summaries and Design Methodology Questions  Synthesizing Data Questions

<sup>1</sup> Month Study Plan, Most Confident in Math, Less than 5 Hours per Week



### **Areas of Opportunity and Practice Test**

Now it's time to dig into some challenging topics. You can do this! Your goal is not to learn everything about, say, geometry or punctuation, but rather to learn the most commonly-tested ACT concepts and to familiarize yourself with questions in that category.

It's also time for some authentic practice. Taking a practice test under real test-like conditions is the best way to solidify what you've learned and to practice test-taking strategies. Plus, your results will help you make a plan for your remaining study time until test day.

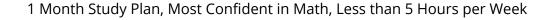
#### **Tips for Taking Practice Tests:**

Make the practice test count! Time yourself, eliminate distractions, and use your test-taking strategies (see Chapter 1), just as you would for the real test. Practice using the Methods for each test section (English, Math, Reading, and Science) on every question—even if doing so takes more time now, practicing will improve your speed so the Methods are second nature on the real test day.

After finishing the practice test, it is vital that you *review your results*. Dig into each question—think not only about why you got a question correct or incorrect but also about whether you approached the question strategically. For each question, ask yourself: What can I learn about this type of question? After reviewing, use your test results to help you plan what to study until test day.

#### During this week, you'll:

- Take a practice test
- Review the practice test
- Improve your performance on your areas of opportunity on each section of the test





### Week 3

Overall Study	English and Reading	Math	Science
Recommended:  Practice Test (in-book) with optional essay Review Practice Test	Recommended:  Chapter 18: Answering ACT Reading Questions	Recommended:  Chapter 13: Geometry	Recommended:  Chapter 23: Data Calculation and Inference Questions
	Optional:  Chapter 4: Spotting and Fixing Issues	Optional:  Chapter 11: Tables, Graphs, Statistics, and Probability Chapter 12: Functions	Optional:  Chapter 25: Thinking Like a Scientist Conflicting Viewpoints Passages and Evaluating Hypotheses Questions



<sup>1</sup> Month Study Plan, Most Confident in Math, Less than 5 Hours per Week

## **Strengths Focus**

You've worked so hard! There's only one week left, but you are well-situated for success. Now things get kind of fun: take those topics you're awesome at, and get more awesome at them before test day! Celebrate your successes and take this opportunity to get even better. You'll also learn section management strategies for each section of the ACT. Finally, do some light practice leading up to the big day.

#### During this week, you'll:

- Focus on your strongest topics to build confidence for test day
- Learn section management strategies for each section of the ACT
- Do light practice until test day



#### Week 4

Overall Study	English and Reading	Math	Science
Recommended:  Chapter 28: Countdown to Test Day	Recommended: Choose one or both: Chapter 5: ACT English: Timing and Section Management Strategies Chapter 21: ACT Reading: Timing and Section Management Strategies	Recommended:  Chapter 14: ACT Math: Timing and Section Management Strategies	Recommended:  Chapter 26: ACT Science: Timing and Section Management Strategies
	Optional: ☐ Review strengths chapter(s) based on practice test results	Optional: ☐ Review strengths chapter(s) based on practice test results	Optional: Review strengths chapter(s) based on practice test results

Congratulations! You've put in the **swift, decisive** effort to complete your **efficient** review of the ACT, following the way of the **Mathematical Master**. Feel confident in your expert preparation!



<sup>1</sup> Month Study Plan, Most Confident in Math, Less than 5 Hours per Week