



Praxis II Toolkit

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Basics of the Tests - Praxis II

There are three types of assessments that fall under the Praxis II

1. **Subject Assessments** - specific to your content area
2. **Principles of Learning and Teaching (PLT) Assessment** - General pedagogical knowledge in bands k-6, 5-9, or 7-12
3. **Elementary Education: Content Knowledge For Teaching (CKT) Assessment** - specific content knowledge for elementary educators

*Find the most needed information and resources from the three types of tests throughout this toolkit.

While much of what you'll need to know is dependent on the type of Praxis II you are taking and the specific subject, there are basics that apply to all Praxis II assessments. Before we dive in, first you need to figure out which assessment you need to take. Already know? [Click here to jump to what to know prior to and on test day!](#)

Which assessments do you need to take?

Find which test you need to take, the required scores, and additional Maryland-specific information on [ETS' website](#) or at the Maryland State Department of Education Website - [mdcert.org](#).

Once you know which assessments you need to take, start preparing by finding free materials at [ets.org/materials/prepare](#) and searching for your specific test.

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Certification Support

* Have questions about your specific situation, but unsure who to ask? Before reaching out, first review MSDE's website www.mdcert.org.

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Every district has a certification specialist to help. It may be a whole department or housed within the human resources department.	MSDE is your point of contact! TIP: State that you are not under contract with a district or you may inadvertently get sent back to the local school system. Questions to certinfo.msde@maryland.gov	Ask your education advisor or program coordinator!

Check out highlights from the [Praxis Information Bulletin here!](#)

Prior to Test Day

- Test takers with disabilities can request [accommodations online](#)
- Assessments are given on the computer and now can be taken at a testing center or [at your home!](#)
- Assessment cost varies by test number - please visit [ETS for specific costs.](#)

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On Test Day

AT A TESTING CENTER	AT HOME
<ul style="list-style-type: none">■ Bring valid ID and test registration confirmation■ No personal items or jewelry other than wedding and engagement rings■ Pockets must be emptied	<ul style="list-style-type: none">■ Take steps to ensure your technology is up and running■ Gather your materials<ul style="list-style-type: none">○ Valid ID○ Acceptable note-taking materials○ Cellphone or hand-held mirror for check-in■ Make sure you meet all <u>environment requirements</u>■ Make sure you are dressed with your ears and face visible to the proctor.

Post Test Day

- Scores will be available in your online portal in approximately 21 days
- If you are submitting them for certification you may send test scores to MSDE by: notation on a college transcript, photocopy of the original score report, **or** official verification from a state department of education.

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Questions - What Types, What're They Asking, How to Answer!

Now that you know the basics of the Praxis II assessments, before diving in and studying for a specific test, it's helpful to know the types of questions that are on the tests so you can work to decode them and really know what they are asking.

Note: all of the Praxis Study Companion content resources contain similar information under Section 2. Familiarize Yourself with Test Questions. The below examples are from [The Praxis Study Companion for Middle School Science](#).

The Praxis assessments include a variety of question types. It's important to know the difference so you can ensure you are answering correctly!

See the next page for the different types of questions!

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TYPE OF QUESTION	BASIC INFO
<p>Constructed response - you write a response of your own.</p> <p><i>Click here for in depth information on why ETS uses constructed response & how they're scored.</i></p> <p><i>Click here for things to keep in mind when you answer a constructed response.</i></p>	<ul style="list-style-type: none"> • Demonstrate your knowledge in a subject area by creating your own response to a topic • Example: Short answer or essay
<p>Selected response - you select one or more answers from a list of choices or make another kind of selection.</p> <p><i>Click here for strategies on how to answer selected responses.</i></p>	<ul style="list-style-type: none"> • Select the best answer based on <u>what the question is asking</u>. • Look for phrases/verbage that indicate what they're asking. <p><i>Click here for tips on what to look out for.</i></p>
<p>Numeric entry - you enter a numeric value in an answer field.</p>	
<p>All Praxis II assessments are taken on a computer. <i>Click here for info on how to understand computer based questions generally.</i></p>	

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Understanding Computer-Delivered Questions

Questions on computer-delivered tests are interactive in the sense that you answer by selecting an option or entering text on the screen. If you see a format you are not familiar with, read the directions carefully. The directions always give clear instructions on how you are expected to respond.

For most questions, you respond by clicking an oval to select a single answer from a list of answer choices.

However, interactive question types may also ask you to respond by:

- **Clicking more than one oval** to select answers from a list of answer choices.
- **Typing in an entry box.** When the answer is a number, you may be asked to enter a numerical answer. Some questions may have more than one place to enter a response.
- **Clicking check boxes.** You may be asked to click check boxes instead of an oval when more than one choice within a set of answers can be selected.
- **Clicking parts of a graphic.** In some questions, you will select your answers by clicking on a location (or locations) on a graphic such as a map or chart, as opposed to choosing your answer from a list.
- **Clicking on sentences.** In questions with reading passages, you may be asked to choose your answers by clicking on a sentence (or sentences) within the reading passage.
- **Dragging and dropping answer choices into targets on the screen.** You may be asked to select answers from a list of choices and drag your answers to the appropriate location in a table, paragraph of text or graphic.
- **Selecting answers from a drop-down menu.** You may be asked to choose answers by selecting choices from a drop-down menu (e.g., to complete a sentence).

Remember that with every question you will get clear instructions.

Keep these things in mind when you respond to a constructed-response question

- 1) **Answer the question accurately.** Analyze what each part of the question is asking you to do. If the question asks you to describe or discuss, you should provide more than just a list.
- 2) **Answer the question completely.** If a question asks you to do three distinct things in your response, you should cover all three things for the best score. Otherwise, no matter how well you write, you will not be awarded full credit.
- 3) **Answer the question that is asked.** Do not change the question or challenge the basis of the question. You will receive no credit or a low score if you answer another question or if you state, for example, that there is no possible answer.
- 4) **Give a thorough and detailed response.** You must demonstrate that you have a thorough understanding of the subject matter. However, your response should be straightforward and not filled with unnecessary information.
- 5) **Reread your response.** Check that you have written what you thought you wrote. Be sure not to leave sentences unfinished or omit clarifying information.

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Understanding Selected-Response Questions

Many selected-response questions begin with the phrase "which of the following." Take a look at this example:

Which of the following is a flavor made from beans?

- (A) Strawberry
- (B) Cherry
- (C) Vanilla
- (D) Mint

How would you answer this question?

All of the answer choices are flavors. Your job is to decide which of the flavors is the one made from beans.

Try following these steps to select the correct answer.

- 1) **Limit your answer to the choices given.** You may know that chocolate and coffee are also flavors made from beans, but they are not listed. Rather than thinking of other possible answers, focus only on the choices given ("which of the following").
- 2) **Eliminate Incorrect answers.** You may know that strawberry and cherry flavors are made from fruit and that mint flavor is made from a plant. That leaves vanilla as the only possible answer.
- 3) **Verify your answer.** You can substitute "vanilla" for the phrase "which of the following" and turn the question into this statement: "Vanilla is a flavor made from beans." This will help you be sure that your answer is correct. If you're still uncertain, try substituting the other choices to see if they make sense. You may want to use this technique as you answer selected-response questions on the practice tests.

Watch out for selected-response questions containing "NOT," "LEAST," and "EXCEPT"

This type of question asks you to select the choice that does not fit. You must be very careful because it is easy to forget that you are selecting the negative. This question type is used in situations in which there are several good solutions or ways to approach something, but also a clearly wrong way.

How to approach questions about graphs, tables, or reading passages

When answering questions about graphs, tables, or reading passages, provide only the information that the questions ask for. In the case of a map or graph, you might want to read the questions first, and then look at the map or graph. In the case of a long reading passage, you might want to go ahead and read the passage first, noting places you think are important, and then answer the questions. Again, the important thing is to be sure you answer the questions as they refer to the material presented. So read the questions carefully.

How to approach unfamiliar formats

New question formats are developed from time to time to find new ways of assessing knowledge. Tests may include audio and video components, such as a movie clip or animation, instead of a map or reading passage. Other tests may allow you to zoom in on details in a graphic or picture.

Tests may also include interactive questions. These questions take advantage of technology to assess knowledge and skills in ways that standard selected-response questions cannot. If you see a format you are not familiar with, **read the directions carefully**. The directions always give clear instructions on how you are expected to respond.

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Test Preparation Strategies & Scoring

Prepare for a Praxis Test

Step #1: Learn what the test covers.

You can find test specifications for your test(s) in the free Study Companion. Each Study Companion includes a comprehensive overview for the test, with detailed test descriptions and sample questions with answers and explanations to help you prepare.

Find the ETS study companion for your test by [selecting it here!](#)

Step #2: Assess how well you know the content.

Praxis II assessments are specific enough that you should not overestimate how prepared you are, especially if you have not studied your content area in more than a few months.

After taking a pre-assessment for the selected test, you should rate how familiar you are with the test content to determine which areas of the test to focus on.

Step #3: Collect study materials.

Obtaining and organizing your materials for review are critical steps in preparing for the *Praxis* tests.

TIP - use your self-assessment to ensure you are spending your time where you need both in collecting study materials and studying!

Here are a few questions to consider in finding materials:

- Did you take a course in which the content area was covered? If yes, do you still have your book(s) or your notes?
- Does your library (college, local, school system) have a textbook?

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Step #4: Plan and organize your time.

You can begin to plan and organize your time while you are still collecting materials. Allow yourself plenty of time to review so you can avoid "cramming" new material at the end. Here are a few tips:

- Choose a test date far enough in the future to leave you plenty of preparation time.
- Work backward from that date to figure out how much time you will need for review.
- Set a realistic schedule and stick to it.

Step #5: Develop a study plan.

A study plan should be developed off of your self-assessments ensuring your roadmap to success is based on your skills and knowledge.

TIP: Study to the test! It's a lot to cover, so really spending time on what's on the test and what you need to work on will allow you to break it down into manageable pieces.

[Click here for sample study plans and steps to creating a study plan!](#)

Step #6: Practice explaining the key concepts.

The Praxis® Subject Assessment constructed-response tests assess your ability to explain material effectively. As a teacher, you'll need to be able to explain concepts and processes to students in a clear, understandable way. What are the major concepts you will be required to teach? Can you explain them in your own words accurately, completely, and clearly? Practice explaining these concepts to test your ability to effectively explain what you know.

Step #7: Understand how questions will be scored.

Scoring information can be found in the [Study Companion](#) for each test.

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Praxis Scores Overview

Getting Your Official Scores

Official score reporting dates vary, depending on which test you took. Go to [Getting Your Praxis Scores](#) for detailed information on the score reporting dates.

Sending Your Scores

During registration, you may identify up to four institutions or licensing agencies to receive your *Praxis* scores for free. You may also order additional score reports after the test for a nominal service fee. [Learn more about ordering score reports](#).

Understanding Your Scores

You received your score report. What does it all mean? For more detailed information, read [Understanding Your Scores](#).

Scoring Services

If you feel that you didn't perform up to your potential on a test or that your scores may have been reported incorrectly, there are steps that you can take. Learn more about available [Scoring Services](#).

Additional Resources:

1. [Test Taker Score Report \(PDF\)](#)
2. [Scoring Policies](#)
3. [State Testing and Passing Score Requirements](#)
4. [Understanding Your Praxis® Scores 2020–21 \(PDF\)](#)

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Types of Praxis II Assessments

Subject - Praxis II Subject Assessments measure two things that you will teach as a K-12 educator:

1. Knowledge of the specific subjects
2. Teaching skills and knowledge (general and subject-specific manner)

Principles of Learning and Teaching - This test will assess your knowledge and understanding of foundational educational practices. The test content assesses your knowledge of topics such as:

- human development
- learning processes
- instructional processes
- diverse learners
- educational psychology
- professional issues.

NOTE: After June 30, 2022, all teacher candidates must take either the edTPA or PPAT to fulfill the pedagogy assessment requirement. [Click here for the edTPA MSDE rubric.](#)

Find your test number and qualifying score [here](#).

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PRAXIS II RESOURCES - ALL ASSESSMENTS

There are many Praxis II assessments, and most educators have to take multiple assessments to receive their certification. Not every assessment is covered in this toolkit, but don't panic there are a few tried and true resources that are a great place to start for every assessment.

[ETS](#) - is the company that writes the Praxis assessments. They have some basic resources for every single assessment. Be sure to check-out the study companion and study plan for each individualized assessment.

Preparation Materials

--Select a Praxis test by name--

Early Childhood Education (5025)

- [Study Companion \(PDF\)](#)
- [Study Plan \(Word\)](#)

[Mometrix](#) - offers free practice tests for many of the assessments areas. Search by test number!

Mometrix TEST PREPARATION

Home | Study Guide | Flashcards | Search: test name, 6-digit code

[Study.com](#) - has a free 30-day trial for Praxis review sessions. The materials include a syllabus, a review, and practice tests.

Study.com Praxis Practice Tests Study Guides ▾ Study Tools ▾ Testimonials

[Quizlet](#) - community created study flashcards, so you can spend your time studying not making flashcards. Search by test number!

Quizlet Home Browse Create Log in Sign up

[Khan Academy](#) - is designed for students to dig in on specific subjects. It won't have practice tests for Praxis II but is a great place to sharpen skills and knowledge of specific topics that are covered on a Praxis II.

Courses ▾ Search Khan Academy Donate Login Sign up

MATH: PRE-K - 8TH GRADE	MATH: HIGH SCHOOL & COLLEGE	SCIENCE	ARTS & HUMANITIES	READING & LANGUAGE ARTS
Up to 1st grade (Khan Kids)	Algebra 1	High school biology beta	US history	Up to 1st grade (Khan Kids)
2nd grade	Geometry	High school biology	AP®/College US History	2nd grade

*This is not a full list of what Khan offers, but an example of the types of topics covered.

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Assessments by Specific Licensure Area

Find the assessments we have covered in this toolkit by specific licensure areas below. For each of the assessments covered in this toolkit we have included: the ETS study companion, study plan materials, additional resources, and the test at a glance.

Don't see the assessment you need?

Step 1 - email praxisprep@mseanea.org to let us know so we can work on adding it.

Step 2 - check out our general Praxis II resources section [above](#).

Early Childhood (PreK-3)

- [Early Childhood Education \(5025\)](#)
- [Principles of Learning and Teaching: Early Childhood 5621](#)

Elementary Education (1-6)

- [Elementary Education: Content Knowledge for Teaching \(7811\)](#)
- [Principles of Learning and Teaching: Grades K-6 \(5622\)](#)

Middle School Education (4-9)

- [English Language Arts Middle School \(5047\)](#)
- [Middle School Science \(5440\)](#)
- [Principles of Learning and Teaching: Grades 5-9 \(5623\)](#)

Secondary Education (7-12)

- [English Language Arts: Content and Analysis \(5039\)](#)
- [Mathematics: Content Knowledge \(5161\)](#)
- [Principles of Learning and Teaching: Grades 7-12 \(5624\)](#)

Special Education (All certification levels)

- [Teaching Reading: Elementary \(5205\)](#)
- [Special Education: Core Knowledge and Applications \(5354\)](#)

Reading Option or English to Speakers of Other Languages (PreK-12)

- [Teaching Reading: Elementary \(5205\)](#)

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EARLY CHILDHOOD (PreK-3)

Early Childhood Education

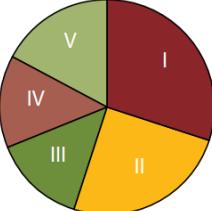
Test Code: 5025

Qualifying Score: 156

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. [Find this resource here.](#)

Resource #3: All ETS prep materials on 5025 [here](#).

Test at a Glance			
Test Name	Early Childhood Education		
Test Code	5025		
Time	2 hours		
Number of Questions	120		
Format	Selected-response questions		
Test Delivery	Computer delivered		
	Content Categories	Approximate Number of Questions	Approximate Percentage of Examination
	I. Language and Literacy II. Mathematics III. Social Studies IV. Science V. Health and Physical Education; Creative and Performing Arts	36 30 17 17 20	30% 25% 14% 14% 17%

Additional Resources:

1. [Editable study plan](#)
2. [Free practice test](#)
3. [Quizlet sets](#)
4. [Highly Recommended Text](#)

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Principles of Learning and Teaching (PLT): Early Childhood

Test Code: 5621

Qualifying Score: 157

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5621 [here](#).

Test at a Glance			
Content Categories	Approximate Number of Selected-Response Questions	Approximate Number of Constructed-Response Questions	Approximate Percentage of Examination
I. Students as Learners II. Instructional Process III. Assessment IV. Professional Development, Leadership, and Community V. Analysis of Instructional Scenarios	21 21 14 14 4		22.5% 22.5% 15% 15% 25%
A. Students as Learners B. Instructional Process C. Assessment D. Professional Development, Leadership, and Community	1–2 1–2 0–1 0–1		
Pacing and Special Tips	In allocating time on this assessment, it is expected that about 70 minutes will be spent on the selected-response section and about 50 minutes will be spent on the constructed-response section; the sections are not independently timed.		

Additional Materials:

1. [Study Plan](#)
2. [Free practice test](#)
3. [Highly Recommended Texts](#)
4. [Quizlet](#)

ELEMENTARY EDUCATION (1-6)

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Elementary Education: Content Knowledge for Teaching

Test Code: 7811

	Test Code	Qualifying Score	Study Plan	Additional Resources
CKT: Reading Language Arts Subtest	7812	161	Click here	Quizlet
CKT: Math Subtest	7813	150	Click here	Quizlet
CKT: Science Subtest	7814	154	Click here	Quizlet
CKT: Social Studies Subtest	7815	161	Click here	Quizlet

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the 7811 study companion.](#)

Resource #2: Other ETS materials for 7811 [here](#).

Test at a Glance				
Test Name	Elementary Education: Content Knowledge for Teaching (CKT)			
Test Code	7811			
Total Time	4 hours, 45 minutes (four separately timed subjects)			
Format	Selected-response and numeric-entry questions; on-screen four-function calculator provided			
Test Delivery	Computer delivered			
Elementary Education: Content Knowledge for Teaching		Subtests	Subtest Length (Minutes)	Subtest Length (Questions)
Reading and Language Arts CKT Subtest	Mathematics CKT Subtest	Science CKT Subtest	Social Studies CKT Subtest	7812 Reading and Language Arts—CKT 90 63 7813 Mathematics—CKT 85 52 7814 Science—CKT 60 47 7815 Social Studies—CKT 50 60

*Tests at a glance for each subtest can be found in the study companion.

Additional Resources:

- [Quizlet for 7811](#)

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Principles of Learning and Teaching (PLT) K-6

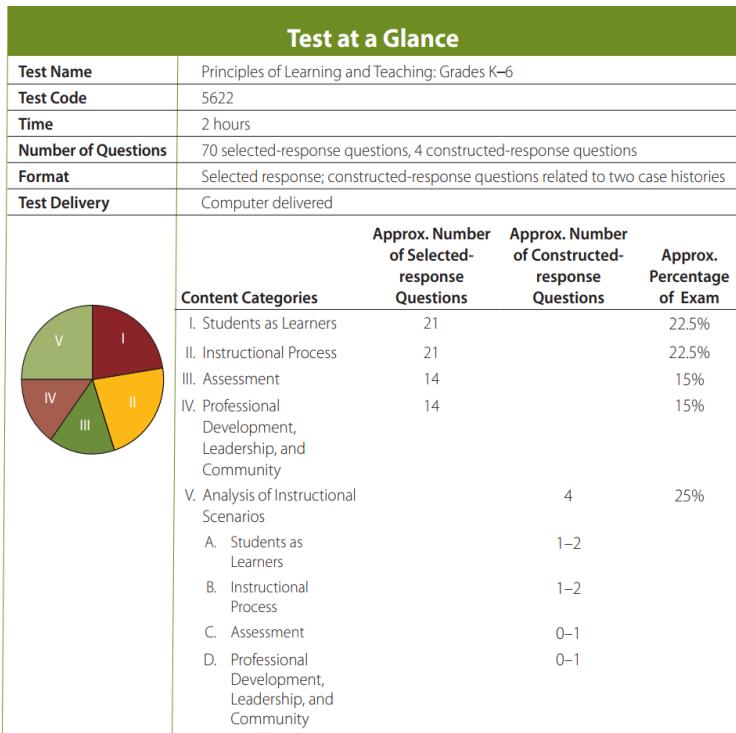
Test Code: 5622

Qualifying Score: 160

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5622 [here](#).



Pacing and Special Tips – In allocating time on this assessment, it is expected that about 70 minutes will be spent on the selected-response section and about 50 minutes will be spent on the constructed-response section; the sections are not independently timed.

Additional Materials:

1. Practice Tests
 2. Quizlet

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MIDDLE SCHOOL EDUCATION (4-9)

English Language Arts Middle School

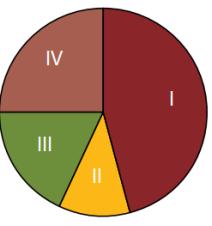
Test Code: 5047

Qualifying Score: 164

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the 5047 study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: Other ETS materials for 5047 [here](#).

Test at a Glance				
Test Name	Middle School English Language Arts			
Test Code	5047			
Time	160 minutes: 130 minutes for the selected-response (SR) section and 30 minutes for the constructed-response (CR) section			
Number of Questions	110 SR questions and 2 CR questions			
Format	The SR section, which accounts for 75% of the total test score, consists of single-selection multiple-choice questions with four answer choices, as well as innovative question types, which may include multiple-selection multiple-choice, order/match, audio stimulus, table/grid, select-in-passage, and video stimulus. The CR section accounts for 25% of the total test score.			
Test Delivery	Computer delivered			
Content Categories		Approximate Number of Questions	Approximate Percentage of Examination	
		I. Reading II. Language Use and Vocabulary III. Writing, Speaking, and Listening IV. English Language Arts Instruction	50 SR and 1 CR* 16 SR 26 SR 18 SR and 1 CR*	46% 11% 18% 25%
* On your score report, points earned on the CR questions are reported separately from points earned on the SR questions.				

Additional resources:

1. Find Quizlets for Test 5047 [here](#).
2. Mometrix provides a free test review [here](#).
3. Study.com - Find more information [here](#). (30-day free trial)

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Principles of Learning and Teaching (PLT) 5-9

Test Code: 5623

Qualifying Score: 160

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5623 [here](#).

Test at a Glance				
Test Name	Principles of Learning and Teaching: Grades 5–9			
Test Code	5623			
Time	2 hours			
Number of Questions	70 selected-response questions, 4 constructed-response questions			
Format	Selected response; constructed-response questions related to two case histories			
Test Delivery	Computer delivered			
	Content Categories	Approximate Number of Selected-response Questions	Approximate Number of Constructed-response Questions	Approximate Percentage of Examination
	I. Students as Learners II. Instructional Process III. Assessment IV. Professional Development, Leadership and Community V. Analysis of Instructional Scenarios	21 21 14 14 4	22.5% 22.5% 15% 15% 25%	
	Students as Learners Instructional Process Assessment Professional Development, Leadership and Community	1–2 1–2 0–1 0–1		

Additional Materials:

1. [Quizlet Materials](#)
2. [Practice Test](#)

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SECONDARY EDUCATION (7-12)

English Language Arts: Content and Analysis

Test Code: 5039

Qualifying Score: 168

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the 5039-study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5039 [here](#).

Test at a Glance														
Test Name	English Language Arts: Content and Analysis													
Test Code	5039													
Time	3 hours: 150 minutes for the selected-response (SR) section and 30 minutes for the constructed-response (CR) section													
Number of Questions	130 SR and 2 CR questions													
Format	The SR section, which accounts for 75% of the total test score, consists of single-selection, selected-response questions with four answer choices. It also includes some of the following question types: multiple-selection multiple choice, order/match, audio stimulus, table/grid, select in passage, and video stimulus.													
Test Delivery	Computer delivered													
	<table><thead><tr><th>Content Categories</th><th>Approximate Number of Questions</th><th>Approximate Percentage of Test</th></tr></thead><tbody><tr><td>I. Reading</td><td>48 SR and 1 CR*</td><td>40%</td></tr><tr><td>II. Language Use and Vocabulary</td><td>33 SR</td><td>19%</td></tr><tr><td>III. Writing, Speaking, and Listening</td><td>49 SR and 1 CR*</td><td>41%</td></tr></tbody></table>	Content Categories	Approximate Number of Questions	Approximate Percentage of Test	I. Reading	48 SR and 1 CR*	40%	II. Language Use and Vocabulary	33 SR	19%	III. Writing, Speaking, and Listening	49 SR and 1 CR*	41%	
Content Categories	Approximate Number of Questions	Approximate Percentage of Test												
I. Reading	48 SR and 1 CR*	40%												
II. Language Use and Vocabulary	33 SR	19%												
III. Writing, Speaking, and Listening	49 SR and 1 CR*	41%												
* On your score report, points earned on the CR questions are reported separately from points earned on the SR questions.														

Additional Resources:

1. Quizlet: is a compilation of flashcards created by users. Find Quizlets for Test 5039 [here](#).
2. Mometrix provides a free test review [here](#).
3. Study.com has a free 30-day trial for Praxis review sessions. The materials include a syllabus, a review, and practice tests. Find more information [here](#).

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Mathematics: Content Knowledge

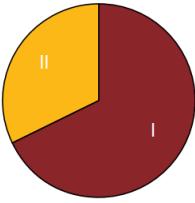
Test Code: 5161

Qualifying Score: 160

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5161 [here](#).

Test at a Glance			
Test Name	Mathematics: Content Knowledge		
Test Code	5161		
Time	150 minutes		
Number of Questions	60		
Format	Selected-response questions—select one answer; selected-response questions—select one or more answers; numeric entry questions; drag-and-drop questions; text completion questions; and other innovative question types. On-screen graphing calculator provided		
Test Delivery	Computer delivered		
Content Categories		Approximate Number of Questions	Approximate Percentage of Examination
		I. Number and Quantity, Algebra, Functions, and Calculus II. Geometry, Probability and Statistics, and Discrete Mathematics	41 68% 19 32%

Additional Resources:

1. [What is really on the test: Study Resources \(Word\)](#)
2. [Practice and Study Guide - \(30 day Free Trial\)](#)
3. [Practice Tests](#)
4. Content Category Specific
 - a. [Arithmetic Sequence / Geometric Sequence \(needed formulas and examples\)](#)
 - b. [Standard Deviation](#)
 - c. [Intro to Matrices](#)
 - d. [Tricks for doing Trigonometry Mentally](#)
 - e. [Intro to Trigonometric Identities](#)
 - f. [Finding the Period and Amplitude of a graph](#)
 - g. [Solving word problems](#)

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Test Code: 5440

Qualifying Score: 160

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the 5440 study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5440 [here](#).

Test at a Glance			
Test Name	Middle School Science	Approximate Number of Questions	Approximate Percentage of Examination
Test Code	5440		
Time	2.5 hours		
Number of Questions	125		
Format	Selected-response questions		
Test Delivery	Computer delivered		
A pie chart divided into six equal sectors, labeled I through VI. Sector I is yellow, II is orange, III is green, IV is brown, V is light green, and VI is pink.	Content Categories		
	I. Scientific Inquiry, Methodology, Techniques, and History	15	12%
	II. Basic Principles of Matter and Energy	15	12%
	III. Physical Sciences	28	22%
	IV. Life Sciences	30	24%
	V. Earth and Space Sciences	22	18%
	VI. Science, Technology, and Society	15	12%

[Click here](#) for the content categories with linked study aids for specific topics!

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Principles of Learning and Teaching (PLT) 7-12

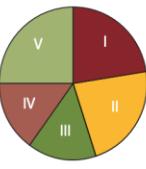
Test Code: 5624

Qualifying Score: 157

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5624 [here](#).

Test at a Glance			
Test Name	Principles of Learning and Teaching: Grades 7–12		
Test Code	5624		
Time	2 hours		
Number of Questions	70 selected-response questions, 4 constructed-response questions		
Format	Selected-response; constructed-response questions related to two case histories		
Test Delivery	Computer delivered		
	Content Categories	Approx. Number of Selected-response Questions	Approx. Number of Constructed-response Questions
	I. Students as Learners	21	22.5%
	II. Instructional Process	21	22.5%
	III. Assessment	14	15%
	IV. Professional Development, Leadership, and Community	14	15%
	V. Analysis of Instructional Scenarios	4	25%
	Students as Learners	1–2	
	Instructional Process	1–2	
	Assessment	0–1	
	Professional Development, Leadership, and Community	0–1	

Additional Resources:

1. [Quizlet Materials](#)
2. [Practice Test](#)

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SPECIAL EDUCATION (ALL CERTIFICATION LEVELS)

Special Education: Core Knowledge and Applications

Test Code: 5354

Qualifying Score: 163

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the 5354 study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5354 [here](#).

Test at a Glance			
Test Name	Special Education: Core Knowledge and Applications		
Test Code	5354		
Time	2 hours		
Number of Questions	120		
Format	Selected-response questions		
Test Delivery	Computer delivered		
	Content Categories	Approximate Number of Questions	Approximate Percentage of Examination
	I. Development and Characteristics of Learners II. Planning and the Learning Environment III. Instruction IV. Assessment V. Foundations and Professional Responsibilities	20 27 27 22 24	16% 23% 23% 18% 20%

HOT TIP: The best resource for studying for your Special Education Praxis is the basic textbook from your Introduction to Special Education class at the undergraduate level. If you no longer own a textbook on the subject of Special Education, used versions can be purchased at affordable prices online. A simple search on Amazon should find suitable results: *used textbook introduction to special education*.

Additional Resources:

1. [Click here](#) for a study plan that includes links to additional online resources and timelines for studying!

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Teaching Reading: Elementary

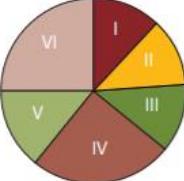
Test Code: 5205

Qualifying Score: 159

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5205 [here](#).

Test at a Glance			
Test Name	Teaching Reading: Elementary		
Test Code	5205		
Time	150 minutes		
Number of Questions	90 selected response; 3 constructed response		
Format	Selected-response and constructed-response questions		
Test Delivery	Computer delivered		
	Content Categories	Approximate Number of Questions	Approximate Percentage of Examination
	I. Phonological and Phonemic Awareness including Emergent Literacy II. Phonics and Decoding III. Vocabulary and Fluency IV. Comprehension of Literary and Informational Text V. Writing VI. Assessment and Instructional Decision Making (Constructed Response)	13 18 21 22 15 3	11% 15% 18% 18% 13% 25%

Additional Resources:

1. Study [plan here](#)
2. [Free practice test](#)
3. [Youtube study videos](#)
4. [Quizlet sets](#)

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READING OPTION OR ENGLISH TO SPEAKERS OF OTHER LANGUAGES (PreK-12)

Teaching Reading: Elementary

Test Code: 5205

Qualifying Score: 159

Resource #1: ETS study companion - provides an overview of the standards covered on the particular assessment and a breakdown of each question type, with correct answers explained. [Click here for the study companion.](#)

Resource #2: Study plan breaks down each standard and allows for an area of self-reflection, gathering resources, and study dates. Find this [resource here](#).

Resource #3: All ETS prep materials on 5205 [here](#).

Test at a Glance			
Test Name	Teaching Reading: Elementary		
Test Code	5205		
Time	150 minutes		
Number of Questions	90 selected response; 3 constructed response		
Format	Selected-response and constructed-response questions		
Test Delivery	Computer delivered		
	Content Categories	Approximate Number of Questions	Approximate Percentage of Examination
	I. Phonological and Phonemic Awareness including Emergent Literacy II. Phonics and Decoding III. Vocabulary and Fluency IV. Comprehension of Literary and Informational Text V. Writing VI. Assessment and Instructional Decision Making (Constructed Response)	13 18 21 22 15 3	11% 15% 18% 18% 13% 25%

Additional Resources:

1. Study [plan here](#)
2. [Free practice test](#)
3. [Youtube study videos](#)
4. [Quizlet sets](#)

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