

PVSchools Parents' Guide to Student Success: Ninth and Tenth Grade

Helping Your Child Learn at Home

Key ideas to support your child's learning:

- Knowing some key benchmarks and how you can support your child in meeting them is important.
- Help your child set both short term and long term academic goals – goals for the quarter, semester, school year, and end of high school. Keep them realistic and visible; revisit them regularly; and celebrate accomplishments.
- Continue discussions at home about current events, developing interests, and how what your child is learning in school applies to life outside of the classroom.
- Encourage your child to read both literature and informational text. Reading novels is a wonderful passion to nurture in your child, but also have them help you read recipes, instruction manuals, and other directions.
- Share with your child the situations in which you use math as part of your life. Possible examples include paying bills, balancing a budget, calculating mileage, and financing a home or car.
- Research colleges and other post high school learning opportunities.
- Make an appointment with your school's College and Career Center to explore post-high school opportunities and how to best prepare your child to reach his/her academic goals.
- Become informed about the standardized testing schedule for college admissions.
- Continue to check in with your child about homework. Ask how you can support his/her efforts to complete homework in a thorough and timely manner.

Arizona State Standards

The Arizona State Standards were developed in collaboration with teachers, education leaders, and experts to provide a clear and consistent framework to prepare our children for college and the workforce.

The standards:

- are aligned with college and work expectations
- include rigorous content and application of knowledge
- build on strengths and lessons of current state standards
- prepare students to succeed in a global economy and society
- are evidence-based

Key Shifts for Students

English Language Arts (ELA) / Literacy

1. Read more informational text (70%) than fiction.
2. Learn about the world by reading.
3. Read more challenging material closely.
4. Discuss reading using evidence.
5. Write non-fiction using evidence.
6. Increase academic vocabulary.

Mathematics

1. **Focus:** Building on foundational skills that matter most to understanding arithmetic.
2. **Coherence:** Making math make sense by building onto foundational skills from grade to grade.
3. **Rigor:** With equal intensity, apply conceptual understanding, procedural skills, and fluency.

Resources

Arizona Department of Education

<http://www.azed.gov/>

Arizona K-12 Academic Standards

<http://www.azed.gov/standards-practices/>

English Language Learners

<http://www.azed.gov/english-language-learners/>

Common Core State Standards Initiative

<http://www.corestandards.org/>

Parent Roadmaps to Common Core Standards

<http://cgcs.schoolwires.net/domain/36>

National Parent Teacher Association

<http://www.pta.org/>

Expect More Arizona

<http://www.expectmorearizona.org/>

Educational Student Websites

ConnectED: <https://learn.pvschools.net/>

FROST: PVSchools Tutoring, frost@pvschools.net
PVSchools Tutoring, # 602-449-2399

Explore Careers: <http://www.mynextmove.org/>

Make a Plan: <https://bigfuture.collegeboard.org/>

Kahn Academy: <https://www.khanacademy.org/>

Math: <http://www.illustrativemathematics.org/>

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English Language Arts / Literacy

Language / literacy standards include:

Reading Literature / Informational Text

- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text
- Sample texts for these grade levels include:
 - *The Tragedy of Macbeth* by Shakespeare
 - *The Raven* by Edgar Allan Poe
 - *Gettysburg Address* by Abraham Lincoln
 - *Letter from Birmingham Jail* by Martin Luther King, Jr.
- Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account

Writing

- Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content
- Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences

Speaking and Listening

- Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) on diverse topics with diverse partners

Language

- Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style

Mathematics

A sample of math standards includes:

Number and Quantity

- Perform arithmetic operations with complex numbers

Algebra

- Interpret expressions that represent a quantity in terms of its context.
- Rewrite algebraic expressions in different equivalent forms such as factoring or combining like terms

Functions

- Use the definition of a function to determine whether a relationship is a function given a table, graph or words

Geometry

- Prove theorems involving similarity
- Use coordinates to prove simple geometric theorems algebraically

Statistics and Probability

- Summarize, represent, and interpret data on a single count or measurement variable
- Calculate expected values and use them to solve problems

Science

A sample of science standards includes:

- Inquiry processes, observations, and hypothesis
- History & Nature of Science
- Science in Personal & Social Perspectives
- Life Science
- Physical Science
- Earth and Space Science

Social Studies / History

A sample of social studies standards includes:

American History, World History, Civics / Government, Geography, and Economics.

A sample of history standards includes:

Key Ideas and Details

- Cite specific textual evidence to support analysis of primary and secondary sources, attending to such features as the date and origin of

Craft and Structure

- Determine the meaning of words and phrases as they are used in a text, including vocabulary describing political, social, or economic aspects of history/social studies

Integration of Knowledge and Ideas

- Assess the extent to which the reasoning and evidence in a text support the author's claims

Range of Reading and Level of Text Complexity

- By the end of grade 10, read and comprehend history/social studies texts in the grades 9–10 text complexity band independently and proficiently

Writing Standards

- Write arguments focused on specific content area
- Write informative/explanatory texts, including narration of historical events in addition to their analyses of individuals or events of historical importance