



Fifth Grade

Parent Tips

- Visit the library with your child every week. Have your child sign up for a library card.
- Choose books at your child's AR (accelerated reader) level.
- Invite your child to read his or her writing out loud to other family members. Ask questions about your child's word choices and ideas.
- Discuss your family stories and history. Encourage your child to ask relatives questions about their lives. Put the information together in an album or brainstorm different ways to tell family tales, such as poems or short stories.
- Go to a play or musical with your child. Discuss the way the actors bring the words to life.
- Visit local Native American museums and cultural centers.
- Talk about your family's heritage and how they came to the United States.
- Talk about elections.
- Discuss current government issues.

Parent Tips are suggestions from the National PTA website: <http://www.pta.org/content>
(Made available in English and Spanish)

Reading:

Fifth grade students learn / can:

Trimester 1

- To explain events, procedures, ideas, or concepts in a historical, scientific, or technical text.
- Determine the meaning of vocabulary words in text.
- Explain the structure of a story, poem or drama.
- Continue skills such as main idea, theme and summarizing.

Trimester 2

- Compare and contrast, make inferences, quote accurately and know the author's purpose.
- Summarize the key details of stories, dramas, poems and nonfiction materials, including the themes or main ideas.
- Identify and judge evidence that supports particular ideas in an author's argument to change a reader's point of view.

Trimester 3

- Learn about figurative language.
- Learn about text features.
- Compare and contrast a firsthand or secondhand account of the same event or topic.
- Interpret information presented in various forms such as graphs, time lines, animations, etc.

Writing:

Fifth grade students learn / can:

Trimester 1

- Write informative/explanatory pieces to examine topics and convey information clearly.
- Develop the topic with facts, definitions, concrete details, quotations and related information and examples.
- Demonstrate a command of conventions in grammar, spelling, punctuation and capitalization.
- Use technology to write, learn and collaborate.
- Demonstrate an understanding of figurative language and the nuances of language.
- Research topics.
- Gather information from print or digital sources.
- Plan, revise, and edit to strengthen their writing.
- Use technology and keyboarding to produce and publish writing.

Trimester 2

- Write narrative stories about real or imagined events.
- Use effective narrative techniques such as dialogue, description and pacing to develop writing.
- Use organization and a variety of transitional words, phrases and clauses to create event sequences that unfold naturally.

Trimester 3

- Write opinion pieces which clearly introduce a topic, state an opinion, provide logically ordered reasons that are supported by facts and details, and have a concluding sentence or section.

Social Studies:

Fifth grade students learn / can:

Trimester 1

- About the development of Native American societies in North America.
- About the encounter between Native Americans and early explorers, including the devastation of these societies.
- Analyze how different cultural groups have shaped the history of the United States.
- Understand and analyze the impact of European colonists on Native Americans.

Trimester 2

- Construct and use maps showing European settlements in America.
- Understand and analyze the different cultures present in the thirteen colonies.
- Understand the impact of the British government on the economy of the thirteen colonies.
- Understand how trade affected the economy of the thirteen colonies.

Trimester 3

- The causes of the American Revolution.
- Create a timeline to show historical events in United States history.
- Understand that there are multiple perspectives about historical events.
- Understand the ideals outlined in the Declaration of Independence and U.S. Constitution.
- Understand the organization of the U.S. government.

Fifth Grade

Parent Tips

- Practice math facts daily.
- Point out ways that you (parent) use math in everyday life.
- Have students practice math in everyday situations.
- Have your child work with decimals as they help you balance the checkbook or double-check a receipt.
- Multiply with fractions: If you used $\frac{2}{3}$ of a box of rice that was $\frac{3}{4}$ full, how much rice did you use? How much is left?
- Listen to many different kinds of music with your child. PBS offers all styles of concerts. Explore many genres: classical, jazz, rock, country, ethnic, reggae, etc.
- Name the instruments that you are seeing and hearing. Find the similarities and differences that make them part of different families.
- Did you play an instrument, or do you still play? Share that experience with your child!

Parent Tips are suggestions from the National PTA website: <http://www.pta.org/content>
(Made available in English and Spanish)

Science:

Fifth grade students learn/ can:

Trimester 1

Variables

- Identify questions in an investigation and gather evidence to answer the question.
- Plan and work together to carry out an experiment safely.
- Be able to compare the results of an experiment to decide if it was fair.
- Gather data, make observations, determine if the experiment needs repeating and write a conclusion.

States of Matter

- Learn that water can exist in a solid, liquid or gas form.
- Understand that air is a gas that fills a closed container and wind is moving air.
- The total amount of matter is conserved (stays the same) when it undergoes a change.

Trimester 2

Heat, Lights, Sound & Electricity

- Identify different forms of energy in a system.
- Explain how energy can be transformed from one place to another.
- Explain how heat energy is made and how it can move from one place to another.
- Explain how sound energy is made by vibrations.
- Explain how electrical circuits need a complete loop and how it can be to other forms of energy.

Measurements of Force and Motion

- Explain that the weight of something is the measure of the force of gravity.
- Explain the two ways the speed of two objects can be determined.

Trimester 3

Heredity and Adaptation

- Understand why some populations thrive, decline, or do not survive.
- Explain that inherited characteristics may help the plants and animals to better survive.
- Demonstrate why some characteristics of plants and animals are the result of interaction with the environment and are not inherited.
- Learn that fossils give evidence that many plants and animals are extinct and that plants and animals have changed over time.

Structures and Behaviors

- Sort plants and animals by their structures.
- Describe how animals' structures and behaviors help to meet its basic needs.
- Explain how animals respond to their environment and how they respond to internal needs.
- Describe how types of food help to maintain healthy body structures.

Mathematics:

Fifth grade students learn/ can:

Trimester 1

- Read, write, compare and round decimals.
- Explain patterns in numbers when multiplying by the power of ten.
- Add and subtract decimals.
- Use the standard algorithm to multiply multi-digit numbers.
- Add, subtract, multiply and divide fractions.

Trimester 2

- Multiply and divide fractions.
- Classify two-dimensional figures into categories.
- Graph points on the coordinate plane.
- Convert like measurement units within a given unit system.
- Represent and interpret data using a line plot.

Trimester 3

- Measure the volume of solid figures.
- Write and interpret numerical expressions using the order of operations.
- Analyze patterns and relationships in numbers.
- Create and graph ordered pairs from two related patterns.

Music:

Fifth grade students learn/ can:

- How to perform and how to be a good audience in a variety of settings.

Trimester 1

Summation of all previous knowledge of rhythm.

- Recognize when music has a steady beat and when music does not have a steady beat.
- Tell the difference between the beat (the steady pulse in music) and the rhythm (patterns in music).
- Identify the names and beat values of the following notes: quarter notes, quarter rests, paired eighth notes, half notes and sixteenth notes.
- Use their rhythm knowledge to read and perform music.

Fifth Grade

Parent Tips

- Have your child describe music as you listen. Ask them to share their music vocabulary: dynamics of fortissimo, forte, mezzo forte, mezzo piano, piano and pianissimo, as well as crescendo and decrescendo; tempos of presto and largo; pitch (if the music notes are high or low); articulation- are the notes smooth and connected (legato) or short and detached (staccato).
- Find some sheet music and ask them to give you a lesson on note names and other music signs and symbols.
- Explore the many music apps for iPhones, iPads, iPods, etc. There are some great free ones.
- Go on a family music field trip. The "Sound Garden" in Centennial Park in downtown Arlington, EMP (Experience Music Project) in Seattle, Go see "The Nutcracker" in December, etc.
- Attend live concerts. Many options are available, including concerts at Arlington High School.
- Discuss appropriate audience behaviors during different types of live concerts. Have them keep in mind that no matter what type of concert it is, the audience is there to watch the performance, not other people in the audience.
- Engage in a family game of catch using various types of equipment: baseball, softball or football using opposition – stepping forward with the opposite foot of the throwing hand.
- Practice hitting a ball on the fly using a bat. Practice striking a stationary ball on the ground using a hockey stick (you can substitute a baseball bat for a hockey stick).
- Play a game of PIG or HORSE to practice basketball skills.
- Pass a soccer ball back and forth or practice kicking to a target in your backyard.

Parent Tips are suggestions from the National PTA website: <http://www.pta.org/content> (Made available in English and Spanish)

Trimester 2

Timbre/Tone Color

- Identify the four families of musical instruments by sight and by sound (brass, woodwinds, strings, percussion).
- Identify individual musical instruments by sight and by sound (for example: violin, clarinet, trumpet, tuba, snare drum, xylophone, triangle, etc.)
- Apply their knowledge of instrumental timbre as they listen to music and make informed judgements about musical preferences. Use this knowledge as they make decisions about signing up for band in middle school.

Trimester 3

Expressive Elements and Symbols/Melody

- Recognize the dynamic levels of music and can describe those levels in musical terms: forte (loud), piano (quiet), crescendo (gradually getting louder), decrescendo (gradually getting softer).
- Recognize the tempo of music and can describe it in musical terms: largo (slow) and presto (fast)
- Label various symbols on the music staff and understand their use: treble clef, bar line, double bar, measure, repeat sign, time signature, ties.
- Read melodic notation on the treble staff and identify pitches by letter name (EGBDF line notes and FACE space notes).
- Identify by sight and sound when the melody gets higher, gets lower, moves by steps or skips, and /or are has repeated notes.
- Use their knowledge of expressive elements and symbols to read and perform music.

Health/Fitness:

Fifth grade students learn/ can:

Trimester 1

Cooperative Games/Team Building

- Work effectively with a variety of team members
- Work with team members to achieve a common goal.

Bowling

- Roll a ball accurately to a target using opposition and follow through.

Rhythm and Movement

- Move their body to the beat of the music.
- Use rhythmic movements in synchronistic tandemity with partners or groups.

Football

- Demonstrate the proper grip on a football.
- Accurately throw to a stationary and moving target using opposition (stepping forward with opposite foot of dominant hand).

Trimester 2

Basketball

- Control their dribble using both hands (start, stop, restart & change direction).
- Accurately pass to a stationary or moving target (passes: bounce, chest, overhead).
- Safely receive a pass using my hands with arms extended.
- Shoot (B.E.E.F. = Balance, Eyes, Elbow, Follow through).
- Safely participate in a modified game.

Racquet Sports

- Execute a variety of shots (forehand, backhand, overhead).
- Serve the ball over the "net" (jump rope or line on the floor).
- Safely participate in a modified game.

Hockey / Pillo Polo

- Control their dribble using both sides of the stick (start, stop, restart & change direction).
- Accurately pass to a stationary target.
- Stop the puck/ball passed to them on the ground.
- Safely participate in a modified game.

Volleyball

- Accurately pass to a stationary target using the forearm pass (bump) and overhead pass (set).
- Underhand serve the ball over the net.

Trimester 3

Soccer

- Control their dribble using both feet (start, stop, restart & change direction).
- Accurately pass using both sides of each foot to a stationary target.
- Trap (stop) the ball passed to them on the ground.
- Safely participate in a modified game.

Baseball

- Accurately throw to a stationary target using opposition (stepping forward with opposite foot of dominant hand).
- Catch the ball thrown to them.

Fifth Grade

- Field a rolling/bouncing ball.
- Hit a ball from a tee or one that is pitched to them underhand.
- Safely participate in a modified game.

Health

- Name and locate some major bones in the body.
- Name and locate some major muscles in the body.
- Name, locate and explain the function of some vital organs.
- Understand how to create a plan in order to obtain a realistic fitness goal (CBA).