



Fourth Grade

Parent Tips

- Urge your child to use logical arguments to defend his or her opinion. If your child wants a raise in allowance, ask him or her to research common sense allowance systems and, based on that research, explain reasons why, supported by facts and details.
- Talk about the news together. Pick one story in the news, read it together and discuss with your child what it means.
- Keep books, magazines and newspapers at home. Make sure your child sees you reading.
- 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.
- Visit local Native American museums and cultural centers.
- Talk about why your family moved to or lives in Arlington.
- Talk about voting and local public issues.
- Visit the Arlington museum.
- Attend local cultural festivals.

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

Reading:

Fourth grade students learn/can:

Trimester 1

- Explain how the author uses reasons and evidence to support points of text.
- Describe the basic elements of stories — such as characters, events and settings — by drawing on specific details in the text.
- Read and comprehend literature at grade level.
- Pay close attention to key features of informational books and articles: these include understanding the main and supporting ideas; being able to compare and contrast information; and explaining how the author uses facts, details and evidence to support particular points.

Trimester 2

- Compare and contrast events seen from different points of view.
- Make connections in various types of text materials.
- Learn structural elements.

Trimester 3

- Read and comprehend literary texts (poems, stories, dramas, myths).
- Read and comprehend informational text within the 4-5 grade band.
- Integrate information from a variety of texts to be able to speak and write on a topic.

Writing:

Fourth 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 and descriptive details to develop writing.
- Use organization and a variety of transitional words and phrases to create event sequences that unfold naturally.

Trimester 3

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

Social Studies:

Fourth grade students learn/can:

Trimester 1

- Geography of the Pacific Northwest.
- Identify the differences between cities, states and countries.
- About the Northwest Coastal and Plateau tribes of Washington State.
- Analyze how people have changed the history of Washington.
- How people relocate to meet their needs and wants.

Trimester 2

- Create timelines to show major historical events in Washington.
- Construct and use maps of Washington State.
- About exploration and expansion of Washington and the interactions between explorers and Native Americans.

Trimester 3

- Learn about civics in Washington State.
- How a bill becomes a law.
- Understand that past events affect current decisions.
- Understand the organization of Washington State government.
- That part of good citizenship is being informed about public issues.

Fourth 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.
- Ask your child to help you cook and compare fractional amounts. If the recipe calls for $\frac{3}{4}$ cup of brown sugar and $\frac{1}{2}$ cup of sugar, does the recipe have more sugar or brown sugar?
- Have your child measure and calculate the area and perimeter of their bedroom.
- Compare numbers using multiplication. If you spent \$4.00 at the grocery store in one trip, and \$40.00 at the grocery store in another trip, how many times as much was spent in trip two?
- Listen to many different kinds of music with your child. PBS offers all styles of concerts.
- Name the instruments that you are seeing and hearing. Find the similarities and differences that make them part of different families.
- Have your child describe music as you listen. Ask them to share their music vocabulary.
- 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.

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

Science:

Fourth grade students learn/can:

Trimester 1

Earth Material

- Describe earth materials' physical and chemical properties and explain their usefulness.
- Learn about the physical and chemical process of weathering.
- Describe the causes and processes of erosion, and what people can do to reduce it.
- Explain how soil is created.
- Compare layers of soil with respect to their chemical composition and physical properties.

Trimester 2

Earth in Space

- Learn about Earth as it relates to space, including gravity, rotation, orbit and its relationship to the sun.

Trimester 3

Focus on Fossils

- Learn about fossils and how they were formed.
- Infer from fossil evidence, what the environment was like.

Food Webs

- Learn how plants and animals in an ecosystem depend on one another as well as nonliving resources for survival.
- Learn about roles of producers, consumers, and decomposers in an ecosystem.
- Learn about how changes in an ecosystem might affect the ecosystem's population.

Mathematics:

Fourth grade students learn/can:

Trimester 1

- Read, write, compare and round multi-digit whole numbers.
- Identify factors and multiples prime and composite numbers.
- Use standard algorithm to add and subtract multi-digit numbers.
- Generate and analyze shape and number patterns.
- Learn place value strategies to solve multi-digit multiplication and division problems.

Trimester 2

- Represent and interpret data using line plots, graphs and frequency tables.
- Measure, draw and identify lines and angles.
- Classify shapes by lines and angles.
- Fractional equivalence and ordering.
- Add and subtract like fractions and mixed numbers .

Trimester 3

- Convert fractions to decimals.
- Compare and order decimals.
- Solve problems involving measurement and conversion of measurements.
- Solve real world problems using area and perimeter.

Music:

Fourth grade students learn/can:

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

Trimester 1

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.

Trimester 2

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.

Fourth Grade

Parent Tips

- 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.

Trimester 3

Timbre/Tone Color

- Identify the four families of musical instruments by sight and by sound (brass, woodwinds, strings, percussion).
- Use their knowledge of instrumental timbre as they listen to music and make informed judgements about musical preferences.

Health/Fitness:

Fourth 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 & 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).
- Catch a football with their hands while standing still or moving.

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 their 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 (i.e. forehand, backhand, overhead).
- Serve the ball over the “net” (i.e. jump rope or line on 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 me 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.
- 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.
- Recognize the difference between healthy and unhealthy foods.
- Explain a negative health effect that second hand smoke has on the human body (CBA).