



Sixth Grade Student Profile

Every day our world becomes more complex and demanding. To succeed beyond high school, students must be better prepared than at any time in the history of our state. Our expectations for our students and our schools are higher than they have ever been.

To meet these expectations, the State Board of Education has adopted a curriculum for all Texas schools the Texas Essential Knowledge and Skills (TEKS).

The Texas Essential Knowledge and Skills identify what Texas students should know and be able to do at every grade and in every course in the foundation and enrichment areas as they move successfully through our public schools.

The enclosed information summarizes the TEKS at your child's grade level in the four foundation areas of English Language Arts and Reading, Mathematics, Science, and Social Studies.

If you would like to see all of the TEKS that your child will learn, ask a teacher or principal to show you a copy; or order the TEKS from the Texas Education Agency; or, see <http://www.tea.state.tx.us/resources/curric.html>.

LANGUAGE ARTS

Children in Medina Valley ISD will be prepared to master standards necessary to be successful in the next grade level. By the end of the school year, a Medina Valley Sixth Grader will:

READING COMPONENT.

- read at or above grade level
- identify word meaning using strategies
- identify words across curricular content areas
- monitor, adjust and modify own reading and purpose
- use own knowledge of skills and experiences to comprehend
- analyze characteristics of various types of texts (genres)
- have a basic understanding of culturally diverse texts
- read silently with increasing ease for larger periods of time

WRITING COMPONENT.

- composes and edits texts applying the conventions of standard grammar and usage (capitalization, punctuation, handwriting, penmanship and spelling) to communicate clearly and effectively
- evaluates texts of self and others for a variety of purposes

LISTENING AND SPEAKING COMPONENT.

- listens actively to gain knowledge, and analyze and evaluate messages, and for enjoyment
- prepares, organizes and presents oral messages
- evaluate and critiques oral presentations and performances

VIEWING AND REPRESENTATIONS.

- interpret how authors/illustrators style, elements, and media represent and extend meaning/purpose/message

SCIENCE

Children in Medina Valley ISD will be prepared to master standards necessary to be successful in the next grade level. By the end of the school year, a Medina Valley Sixth Grader will:

- gather and interpret data using safe, ethical practices and appropriate tools and technologies to increase their understanding of how the world works.
- analyze information critically in order to distinguish fact from non-fact and evidence from conclusion.
- solve, communicate, generate, and extend problems using an array of strategies, materials, and methods, working either independently or cooperatively
- identify patterns, explain relationships, and interpret data to solve problems and justify predictions
- connect and apply concepts to personal interests, career goals, local and global issues, and ethical dilemmas
- produce products that communicate and understanding current issues and applications

SOCIAL STUDIES

Children in Medina Valley ISD will be prepared to master standards necessary to be successful in the next grade level. By the end of the school year, a Medina Valley Sixth Grader will:

HISTORY.

- explain the significance and influence of individual and group contributions from selected societies

GEOGRAPHY.

- explain how geographic factors influence economics, politics and policies
- analyze the ways people adapt to and modify the physical environment; describe the role of technology in the process

ECONOMICS.

- compare ways societies organize economic systems; explain the impact of scarcity on trade and economic interdependence

GOVERNMENT.

- describe the characteristics, identify examples of, reasons for, and make comparisons of limited and unlimited government

CITIZENSHIP.

- describe the roles and responsibilities of citizens; explain the role of U.S. citizens with the role of citizens in order contemporary societies
- identify the importance of civic participation; explain relationships among individual rights, responsibilities and freedom in democratic societies

CULTURE.

- analyze similarities and differences within and among cultures; define culture and culture region; describe traits that define cultures; identify examples of conflict and cooperation between and among societies

SCIENCE TECHNOLOGY AND SOCIETY.

- Give examples of scientific discoveries and technological innovations that have shaped the world; explain the way resources, belief systems, economic factors and political decisions affect technology; predict consequences resulting from future discoveries and innovations

SOCIAL STUDIES SKILLS.

- differentiate between and use primary and secondary sources; analyze, organize, and interpret information; identify different points of view and frames of reference; use appropriate math skills to interpret maps and graphs
- use social studies terminology correctly; incorporate main and supporting ideas in verbal and written communication; express ideas orally; create written and visual materials; use standard grammar, spelling sentence structure, and punctuation
- identify problems and situations requiring decisions, gather information consider options, predict consequences, take action, and evaluate solutions

MATHEMATICS

Children in Medina Valley ISD will be prepared to master standards necessary to be successful in the next grade level. By the end of the school year, a Medina Valley Sixth grader will:

NUMBERS, OPERATIONS, AND QUANTITATIVE REASONING.

- compare non-negative rationals
- generate equivalent whole numbers, fractions and decimals
- use integers
- prime factorizations using exponents
- common factors and multiples
- model and use addition, subtraction, multiplication and division with fractions and decimals
- use multiplication and division with whole numbers
- estimate and round to approximate reasonable results

PATTERNS, RELATIONSHIPS, AND ALGEBRAIC THINKING.

- use ratios to describe and make predictions in proportional relationships
- represent ratios and percents with models, fractions and decimals
- use tables and symbols to represent proportional and other relationships
- generate formulas for perimeter, area and volume from a table
- form and equation from a problem situation

GEOMETRY AND SPATIAL REASONING.

- use measurable of angles (acute, obtuse, right)
- identify angle relationships in triangles and quadrilaterals
- relationships between radius, diameter, circumference
- locate and name points on a coordinate plane

MEASUREMENT.

- estimate measurements
- select and use appropriate units, formulas and tools to solve problems
- measure angles
- convert measures within the same system

PROBABILITY AND STATISTICS.

- construct sample spaces using lists and diagrams
- find the probability of simple event and its complement
- compare different graphical representations of the same data
- use median, mode and range to describe data
- sketch circle graphs
- collect, organize, display and interpret data

MATHEMATICAL PROCESSES AND TOOLS.

- understand the problem , make and carry out a plan and evaluate for reasonableness
- develop a variety of problem solving strategies
- make conjectures from patterns
- validate conclusions using mathematical properties and relationships