Preschool

Children are encouraged to express curiosity, interest, and initiative as they explore, practice, and develop early learning skills. They use communication meaningfully. Early reading and writing explorations are experienced. Children participate in a variety of mathematics and science activities as they explore their environment. They develop socially and emotionally and form an awareness of belonging to various groups. Children develop fine and large motor skills through a variety of activities.

Kindergarten

Kindergarten activities help students learn the basic features of print. Students learn high-frequency words. They learn grade level phonics (sound and visual). Asking and answering questions are practiced as students learn to identify characters, settings, and major events of a story. Students share information as they dictate, draw, and write. Students begin to write formally using upper and lowercase letters, nouns, verbs, and use basic sentences.

Students count to 100 and write numbers to 20. They learn basic addition and subtraction, comparing, classifying, and early geometric concepts of shapes. Science learning focuses on inquiry through hands-on experiments. Students learn about the earth, weather, living and non-living, plants and animals, the environment, and the human body. Social Studies learning include basic concepts of government, historical events, consumers and produces, the role of money, and the difference between wants and needs.

First Grade

First grade students engage in reading and are able to ask and answer questions about the text. Students are able to retell stories including characters, settings, and major events. Students are able to recognize the features of a sentence through structured writing activities (KU Writing Strategies), including first word capitalization and ending punctuation. They use nouns, verbs and adjectives, and prepositions in their writing. Capitalizing important dates and names of people and the use of conventional spelling is expected. They continue to apply grade level phonics (phonetic and Visual Phonics) to decode and learn new words. Students write about books they are reading and to narrate events. First grade students are expected to print all upper and lowercase letters

First Grade Mathematics builds upon the skills learned in Kindergarten. Students are now expected to use addition and subtraction within 20; count, read, write and represent

objects to 120; understand place value; order three objects by length, tell and write time in hours and half hours using analog and digital clocks, and compose two dimensional shapes.

Science learning continues through hands-on experiments. Students expand their learning about the earth, weather, living and non-living, plants and animals, the environment, solids and liquids, and the human body. Social Studies develop deeper understanding of government, historical events, consumers and produces, the role of money, and the difference between wants and needs.

2nd Grade

The students in 2nd grade read literary and informational texts. They learn to answer who, what, where, when, and why, and how questions, and demonstrate understanding of key details in a text. The students explore how to describe the overall structure of a story, including introduction and conclusion. The students also compare and contrast different versions of the same story. Second grade apply grade-level phonics (phonetic and Visual Phonics) and read with sufficient accuracy and fluency to support comprehension.

Second grade students write opinion pieces, informative texts, and narratives using revising and editing, either by handwriting or the use of digital tools, with guidance and support from adults and peers. The students will demonstrate command of the conventions of Standard English grammar and usage. They use nouns, pronouns, verbs, adjectives, and adverbs to produce complete sentences. The students will also capitalize the names of people, holidays, and places. Second grade students expand written vocabulary using correct spelling.

Mathematical learning focuses on adding and subtracting to 20, the concept of multiplication, place value, measurement and estimation of length, time, money, and interpreting data. Geometric shapes and their attributes are learned.

Second grade science uses questioning, planning; use of tools; use of mathematics, and data; communication of investigations; and will use appropriate safety procedures. Investigations include Earth and space science, earth materials, information about daily and seasonal weather conditions, and events that have repeating patterns. The students will investigate physical science including properties of objects; characteristics of liquids and solids; and the positions and motions of objects. The students will investigate life science including the characteristics of living things; the life cycles of plants and animals; the basic needs of plants and animals; and ways to take care of the environment.

In 2nd grade social studies the students will gain knowledge of behavioral sciences including the changing nature of society, individual traits, interactions between self and peer group, and the relationship of the individual to society and culture. Knowledge of

economics includes the impact economic conditions have on people's lives, that economics is an exchange of resources, how governments influence economic behavior, world trade; changes in technology; and the concept of wants and needs. Geography includes the use of geographic tools, different cultures, communities and regions, and the movement of populations. Knowledge of history includes using multiple sources, how and why people create and participate in governance, understanding of cultures, and the relationship between geography and historical events. Political science and civic literacy includes the basic concepts of government, democracy, and the constitution, how the government and citizens affect each other, and how the United States has a role in current world affairs.

3rd Grade

3rd Grade students read a variety of high-quality, increasingly challenging literary and informational texts. They continue to develop skills including making, determining key ideas and supporting details, and analyzing how and why, interpreting words and phrases, analyzing text structure, and assessing how point of view affects text content and style; Students evaluate diverse media and formats.

Students write to offer and support opinions and to share real and imagined stories. Students learn the purpose of writing is to communicate clearly to others and they begin to adapt how and what they write to be clear. The students plan, write, revise, edit, rewrite, and publish their writing. Short research projects include gathering information from multiple sources. Students learn figurative language. Vocabulary development focuses on academic words and phrases.

Students will take part in a variety of conversations and contribute to conversations. Students start to develop presentations using a variety of media and adapt presentations for a variety of audiences.

3rd Grade Science focuses on scientific investigation skills, using data, and following safety procedures. Learning is focused on the use of earth materials, changes in land, oceans, or atmosphere, knowledge of fossils, knowledge of weather, and knowledge of objects in our solar system. Physical Science learning includes knowledge of substances, states of matter, conservation of mass/matter, sound, light, electricity, magnetism, heat, and forces related to motion. Life Science includes knowledge of organisms and environments, environmental stewardship, basic human body systems, and personal health and wellness issues.

3rd Grade Math increases knowledge of multiplication and division, estimating whole numbers, fractions, and decimals, and place value. They learn fractions, decimals, and percents, and fluency with addition and subtraction of fractions and decimals; Algebra including multiplication and division patterns and relationships, the commutative, associative, and distributive properties, variables, using words, tables, and graphs to

represent patterns and functions; Geometry and Measurement including classifying two and three-dimensional shapes, exploring congruence and similarity, describing sliding, flipping, and turning two-dimensional shapes, using ordered pairs on a grid, solving problems using geometric models, and applying appropriate units and tools to measure; Data Analysis and Probability including analyzing data using a variety of tools, describing mean, median, mode and range, justifying data conclusions and predictions, predicting and testing simple experiments, and describe events as likely or unlikely.

Social Studies

3rd Grade Social Studies deepens knowledge of individuals and groups and characteristics of cultures. The importance of work, exports, imports, trade, and the role of banks is explored. Learning about the United States government system includes local, state, and national levels.

4th Grade

4th Grade students develop making inferences, determining key ideas and supporting details, and analyzing how and why. They analyze words and phrases, text structure, and point of view. Students learn to evaluate diverse media and formats, compare texts and read and comprehend complex texts.

4th Grade students increase written skills by writing arguments, informative/explanatory texts, and narratives of real or imagined experiences or events. They will produce and distribute their writing through use of technology. They continue the plan, write, edit, revise, rewrite process. Short research projects will be conducted.

4th Grade students expand conversational skills and language by developing vocabulary and studying figurative language, word relationships, and nuances.

4th Grade Math students work with division and multiplication. Whole numbers, fractions, decimals, and percents are used in estimation and operations. Basic Algebraic operations are explored.

4th Grade Science students learn about fossils and the solar system. They focus on conservation of mass/matter, sound, light, electricity, and forces related to motion.

4th Grade Social Studies students learn about current social issues, technology impact, universal concepts of economies, and how people and cultures interact and affect events.

Speech/Language Program
Summary of Available Services:

Within the Preschool to the 12th grade, the ISD speech/language program students are provided a specialized program with emphasis in language and reading to develop, practice and improve their expressive language, vocabulary, and comprehension skills. Speech and language services also provide intense, individualized vocabulary study with written language practice and reading comprehension development. The speech-language pathologist also provides traditional speech production and aural rehabilitation services to individual students to develop and improve their other modes of communication.

Preschool-2nd Grade:

In these grades, students work on concept development, comprehension and use of sign language, auditory awareness/discrimination, oral motor development/articulation and phonemic awareness with Visual Phonics. In addition, early written language skills are developed with the Kansas University Writing Strategies.

3rd-8th Grade:

In these grades, students continue to develop their receptive and expressive language skills, pragmatic skills as well as comprehension and use of sign language. The speech/language program continues to address auditory awareness/discrimination, oral motor development/articulation and phonemic awareness with Visual Phonics. Written language skills are developed using the Kansas University Writing Strategies. An introduction to public speaking begins at the 7th grade level.

Primary Art

Elementary Art is a year-long course in which students will learn the basic components that make up a work of art. Focus is on the Elements of Art (line, shape, color, texture, and value) and beginning to learn about the Principles of Design (Pattern, Balance, Space, Variety, Repetition, Proportion) and understand how to incorporate these elements and principles into a work of art. Students will develop their fine motor skills while they experiment with various types of media and materials. Art Lessons will make connections to Math, Science, Language Arts, and Social Studies. Students will learn about both art from different time periods and art from other countries

Primary Guidance

The Iowa School for the Deaf Guidance Program is a developmental comprehensive program that focuses on the child's potential for growth. Topics span the three ASCA (American School Counselor Association) model domains: academic, career, and

personal/social.

Academic Achievement and Educational Planning Lessons

The lessons in this section aid students in understanding the importance of following rules, developing organizational and study skills, and developing a positive attitude to do well in school. The lessons can be adapted for grades K-8 and taught anytime throughout the school year.

Personal/Social Guidance Lessons

Lessons in this group help to develop social skills, build friendships, self-advocacy, conflict resolution/problem solving, decision making and building their self-esteem. These lessons can be used at any time during the school year.

Career Exploration and Planning Lessons

The lessons in this section follow ASCA standards and concretely tie school skills to future work skills. The lessons introduce the world of work and careers to K-8 students, increase career awareness and promote career exploration. ISD students participate in the state career program IHAVEAPLANIOWA.

5-8 Grades

Reading

At ISD reading is taught progressively according to student needs. The 26 good reader skills are targeted through 5-8th grade. Figurative language is also a focus and taught in fun, student friendly ways. (Including internet games, when appropriate) Word analysis, accuracy, fluency, self-monitoring and self-correcting strategies, comprehension, independent reading, and discussion of literary and informative text are all targeted and developed.

Writing Strategies

The ISD Writing Strategies are taught progressively according to student needs. Levels in the strategies range from Primer Level where a basic knowledge of print, action verbs and nouns is acquired, to Level 7 which deals with the writing process at a much more advanced level, incorporating prewriting, drafting and revising of research papers and manuscripts. Included in the strategies, and also taught separately are:

Grammar

Nouns, verbs, adjectives, adverbs, pronouns, transitions, prefix/suffix, quotations, capitalization, commas, apostrophes, colons/hyphens, contractions, possessives, homonyms, synonyms,

Writing:

Spelling, punctuation, and capitalization

Dictionary skills: alphabetical order,

Root words / Parts of speech

Journals- Writing to inform, to persuade, and to express personal ideas, general writing

Organizing writing, using voice, word choice, sentence fluency, and the use of conventions (capitalization, punctuation and spelling) during unstructured writing

Writing and giving speeches

Research and media skills

Writing through a variety of genres (poetry, letter writing, poetry, short stories, fairy tales, etc.)

Grade 5 –Science

This course offers opportunities for students to understand and apply skills used in scientific inquiry. Students understand concepts and relationships in Life Science, Earth Science, Physical Science, and Space and Technology. The course includes students beginning to learn how to use laboratory equipment, lab rules, safety rules, recording, analyzing, and interpreting data and begin to communicate their understanding of learned concepts/skills to others. A broad range of topics is covered including classifying organisms, cells to systems, human body systems, plants, interaction and changes in ecosystems, water on Earth , weather patterns, Earth's changing surface, protecting Earth's resources and sustainability, matter and it's properties, changes in matter, forces in matter, changing forms of matter, electricity, star and galaxies, earth in space, technology in space, technology in our lives. Students practice Science skills by assisting in the Science Center gardens.

Grade 6 – Science

This course offers opportunities for students to understand and apply skills used in scientific inquiry. Students can understand concepts and relationships in Life Science,

Earth Science, Physical Science, and Space and Technology. The course includes students continuing to learn how to use laboratory equipment, lab rules, safety rules, recording, analyzing, and interpreting data and begin to communicate their understanding of learned concepts/skills to others. Topics explored include classifications, cells, body systems, plants biomes, ecosystems, reshaping Earth's surfaces, Earth's resources and sustainability, weather and climate, the building blocks of matter, force and motion, machines, changing energy forms thermal light and energy, Earth, Sun, Moon, the universe, and technology. Students also assist in the Science Center gardens.

Grade 7 – Life Science

This course offers opportunities for students to understand and apply skills used in scientific inquiry. Students can understand concepts and relationships in Life Science. The course includes students refining the skills in how to use laboratory equipment, lab rules, safety rules, recording, analyzing, and interpreting data and begin to communicate their understanding of learned concepts/skills to others. Students will do units (strands) in identifying cells and heredity, diversity of living things, human biology and health, ecology and sustainability. Students will learn about solar energy by making solar operated projects. They also help to maintain the Science Center gardens during the changing seasons.

Grade 8 – Earth Science

This course offers opportunities for students to understand and apply skills used in scientific inquiry. Students can understand concepts and relationships in Earth Science. The course includes knowing how to independently use laboratory equipment, lab rules, and safety rules, record, analyze, and interpret data and communicate their understanding of learned concepts/skills to others. Students will do units (strands) in exploring planet Earth, earth's changing surface, Earth's water, weather and climate, astronomy and sustainability. Students also assist to maintain the Science Center gardens

Grade 5- Explorers and US History to the Revolutionary War

This course guides students to understand the history of North America. Explorers are studied. Students examine historical events that led to the Revolutionary War. This includes economic, cultural, geographic, and innovation effects.

Grade 6 - Ancient History

This course guides students to understand historical patterns, periods of time, and how and why people create and maintain systems of power, authority, and governance. Students explore causes and effects of historical events to interpret actions and issues.

Grade 7 - World Geography

This course helps students understand ancient history of the world. They explore diffenent countries, economies, and physical and climate features around the world. Maps, graphs, and chart making is used to analyze world regions.

Grade 8 - American Government and US History Revolutionary War to present
Students learn the history of the United States from the Revolutionary War to the present. The American government system is learned and how students become involved as citizens. Causes and effects for historical events in this period are studied and analyzed.

Grade 5 Math

Students will learn about performing operations with multi-digit whole numbers and with decimals; this course also includes geometry, measurement, finding averages, identifying elapsed time and basic graphing.

Grade 6 Math

Students will learn about performing operations with fractions, and working with ratios, proportions, and percents; this course also includes finding GCF, LCM, LCD, using exponents, solving algebraic expressions using variables, identifying geometric shapes and finding perimeter, area, and volume.

Grade 7 Math

Students will learn about using proportions to solve real-life situations, compute with integers, solve rational number and geometrical equations, use a calculator, solve mean, mode, and range, use graphs, charts, and tables, and work with data.

Grade 8 Math

Students will learn to use mathematics to solve problems involving linear equations and functions, graph linear functions, evaluate probability models, solve equations using the Pythagorean theorem, solve geometric problems involving transformations and geometric equations relating to shapes and lines.

Deaf Speech/Language Program

Summary of Available Services:
Within the Preschool to the 12th grade, the ISD speech/language program students are provided a specialized program with emphasis in language and reading to develop, practice and improve their expressive language, vocabulary, and comprehension skills. Speech and language services also provide intense, individualized vocabulary study with written

language practice and reading comprehension development. The speech-language pathologist also provides traditional speech production and aural rehabilitation services to individual students to develop and improve their other modes of communication.

3rd-8th Grade

In these grades, students continue to develop their receptive and expressive language skills, pragmatic skills as well as comprehension and use of sign language. The speech/language program continues to address auditory awareness/discrimination, oral motor development/articulation and phonemic awareness with Visual Phonics. Written language skills are developed using the Kansas University Writing Strategies. An introduction to public speaking begins at the 7th grade level.

5-8 Art

Middle School art students will learn the components that make up a work of art. We will review the Elements of Art (Line, Shape, Color, Texture, and Value, Form) and will focus on the Principles of Design (Pattern, Balance, Space, Variety, Repetition, Proportion, Movement, Rhythm). Students will develop a further understanding of how to incorporate these elements and principles into a work of art to create better composition and design. Students will refine their fine motor skills while they experiment with various types of media and materials to create art.

6-8 Industrial Technology

Woods

Woods is a one trimester class that introduces students to the safety, tools, equipment, processes, and vocabulary involved in the woodworking industry. Students begin with squaring up stock using hand tools and progress to independent design and construction of various projects.

This is a hands-on course and student work is individualized to meet students' skill levels as assessed by the teacher. The course may be repeated for progressively advanced knowledge and practice.

5-8 Guidance program

The Iowa School for the Deaf Guidance Program is a developmental comprehensive program that focuses on the child's potential for growth. Topics span the three ASCA (American School Counselor Association) model domains: academic, career, and personal/social.

Academic Achievement and Educational Planning Lessons

The lessons in this section aid students in understanding the importance of following rules, developing organizational and study skills, and developing a positive attitude to do well in school. The lessons can be adapted for grades K-8 and taught anytime throughout the school year.

Personal/Social Guidance Lessons

The lessons in this group help to develop social skills, build friendships, self-advocacy, conflict resolution/problem solving, decision making and building their self-esteem. These lessons can be used at any time during the school year.

Career Exploration and Planning Lessons

The lessons in this section follow ASCA standards and concretely tie school skills to future work skills. The lessons introduce the world of work and careers to K-8 students, increase career awareness and promote career exploration. ISD students participate in the state career program IHAVEAPLANIOWA.