Kennard CJA Fifth Grade Curriculum

Kennard’s curriculum framework emphasizes a conceptually challenging, in-depth, and complex content within cognitive, affective, aesthetic, social, and leadership domains as recommended by National Association of Gifted Children (NAGC) 2010 Pre-K-Grade 12 Gifted Programming Standards. Differentiation, content-based acceleration, and enrichment are interventions implemented for our high ability learners. In addition to providing project based learning experiences, Kennard’s Character Education initiative is Tiger Families.

Fifth Grade Curriculum at a Glance

Reading: College of William & Mary Center for Gifted Education Jacob's Ladder which targets reading comprehension skills in high ability learners.

Communication Arts

- Reading Strategies- Read with fluency, accuracy and expression. Develop vocabulary through text using root words, affixes, synonyms, context clues, glossary, and dictionary. Use inferencing, visualization, prediction, and self-questioning to correct errors. Identify main idea and supporting details, including ability to reflect, draw conclusions, summarize, and paraphrase.

- Comprehension Strategies- Locate and use table of contents, title, glossary and other text features, including chapter headings, captions and other features of non-fiction text. Use details to make inferences, make predictions, draw conclusions, identify narrator, identify cause and effect, compare and contrast, and explain author’s purpose. Identify and restate main idea and supporting details, sequence events, evaluate accuracy of information, and explain examples of simile, metaphor, and personification.

- Writing Skills- Follow the writing process using pre-writing, drafting, revising, and editing in various forms of writing to create legible compositions using correct grammar and conventions. Use parts of speech correctly including verb subject agreement, adverbs, and conjunctions. Identify and write sentences including simple, compound, and complex sentences, and write narrative text in logical sequence that focuses on the development of a single event, as well as write informational reports, journal entries, friendly letters, invitations, and other formats.

- Listening and Speaking Skills- Listen for enjoyment, information, directions, and be able to distinguish tone and mood. Give organized presentations and use appropriate public speaking techniques.
Mathematics

- Number Sense- Read, write, and compare whole numbers, fractions and decimals to the thousandths place. Solve long division with 2-digit divisors. Recognize and generate equivalent forms of commonly used fractions, decimals, and percents. Add, subtract, multiply, and divide fractions with unlike denominators. Classify numbers by their characteristics, including factors, prime and composite numbers, and square numbers.

- Algebraic Reasoning- Make and describe generalizations about geometric and numeric patterns and represent and analyze patterns using words, tables or graphs. Represent a mathematical situation as an expression or number sentence using a letter or symbol. Model situations using graphs, tables or number sequence in order to draw conclusions.

- Geometric and Spatial Relations- Analyze attributes of 2 and 3 dimensional shapes. Predict and justify results of subdividing, combining, or transforming 2 and 3 dimensional shapes. Use coordinate system to specify location.

- Measurement- Identify, justify and use appropriate units and tools for measurement, including customary and metric measures. Solve problems using elapsed time. Determine change and add and subtract money. Identify equivalent weights and capacities within a system of measurement. Solve for area of polygons and non-polygons on a rectangular grid.

- Data and Probability- Evaluate data collection methods and describe methods to collect, organize and represent data. Compare and evaluate representations of data; propose and justify conclusions based on data. Determine degrees of likelihood using words: certain, likely or impossible.

Science

- The Science Education for Public Understanding Program (SEPUP) unit is implemented for personal and societal issues to provide thematic continuity for student investigations and observations.
- All 5th grade students must do a science fair project. Science Lab teacher covers Life Science.

Social Studies

- First quarter is a focus on Economics using JA curriculum, second quarter is the study of Geography, third and fourth quarter focus on the study of Ancient Civilizations.

Enrichment Activities for Fifth Graders:

- Junior Achievement Biztown economics curriculum: This is a Project Based Learning unit that combines math, language arts, and social studies, culminating in field trip to the Junior Achievement Center.
- Camp Wyman day trip and overnights which address science, social studies, performance skills, character education through team building activities and nature classes.
- 5th Grade Musical- Fifth graders will perform the musical, Lion King, in March.
• **Eagle Watching** includes in class presentations and a field trip that takes place in January and addresses Life Science standards.

• **Springfield Trip** visits the Lincoln sites in Illinois and addresses social studies standards through authentic documents, monuments, and museums.

• **Art Museum** - This is a docent led tour to help tie in Ancient Civilizations in social studies.

• **Veterans’ Day Presentation** is a ceremony for the whole school produced by fifth graders to honor veterans. It addresses character education, social studies, language arts, and performance skills.

• **Math/Language Arts Enrichment**, teaching the *Equations* game. *An equation is* an algebraic problem solving game that addresses math standards through middle school including roots and exponentiation. Culminating activity is a grade level tournament in December and regional contests in the spring. *Linguishiks* is a game of English grammar, vocabulary and sentence usage. It has play similar to the math-based Equations. Players (either individually or in small groups) try to find a word that follows criterion given by other players, such as “More than 9 letters long” or “Must not contain an ‘e’”.

• **Drama Enrichment** classes teach elements of drama through games and activities in preparation for the larger musical production later in the year. Students practice performance skills.

• **Field trip** to see performances at the Opera Theatre of St Louis and/or Touhill.

• **Newspaper, The Tiger Times** publishes 4 to 6 issues per year. Students report on events in and out of the school and write articles using the writing process described above. Newspaper is an optional enrichment activity.

• **KCJA News** broadcasts. Students research topics, write short reports, and rehearse once per week. There are several special longer broadcasts throughout the year.

These are just a few of our accomplishments from last year:

• Rise in state testing scores led Kennard to the rank of the #1 elementary school in Missouri.

• Multiple Ribbons at Queeny Park Science Fair.

• First place medals in regional *Equations* Competitions. Multiple winners in the MCTM regional contest.

We hope you are able to get an understanding of our values at Kennard CJA. Should you have additional questions later, please visit our website where you can find answers too many frequently asked questions:

*Fifth Grade Teachers: Jennifer Beffa, Susan Decker, Jamie Spitznagel*

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