

## **FIFTH GRADE**

### **LANGUAGE ARTS**

#### ♦ Reading and Literature

- Oral reading
- Reading comprehension
- DEAR time bi-weekly
- Vocabulary building
- Develop a love for reading
- Develop fluent and accurate oral reading skills with ability to comprehend the content
- Develop speed in silent reading along with the ability to scan for information
- Detecting relevant and irrelevant information and paraphrasing
- Story structure
- RAZ Kids
- Dibels Testing

#### ♦ Spelling/Vocabulary

- Spelling and Vocabulary is integrated in to the Moving Beyond the Page Curriculum and is introduced throughout the novel study. Testing is according to the curriculum.
- Reinforcement activities using the dictionary

#### ♦ Writing Process

- Sentence and sentence parts (sentence structure)
- Punctuation, capitalization, and quotation facts • Synonyms, antonyms, homonyms
- Dictionary, thesaurus skills
- Business letters
- Making an outline
- Writing a library research paper
- Writing book reports
- Creative writing
- Persuasive Writing
- Personal Narratives
- How To Reports
- Free Writing
- Daily Writing Trait Workbook
- 6+1 Writing Program
- Weekly Writing Class
- Sentence Fragments and Run-On
- Poetry

#### ♦ Grammar

- Recognizing and diagramming all eight parts of speech
- Recognizing and diagramming complements
- Proper Word usage
- Diagramming of sentences

## **MATHEMATICS**

### Operations and Algebraic Thinking

- Write and interpret numerical expressions.
- Analyze patterns and relationships.

### Number and Operations in Base Ten

- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.

### Number and Operations—Fractions

- Use equivalent fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

### Measurement and Data

- Convert like measurement units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.
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### Geometry

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.

## **SCIENCE**

- The respiratory system (lungs, nose, windpipe air tubes, air sacs; illnesses)
- The circulatory system (heart, blood vessels, blood, pathway of blood, pulse)
- Diseases and injuries (communicable, caused by animals, first aid measures)

- Cells and their functions
- Invertebrates
- Photosynthesis
- Reproduction (asexual and sexual reproduction, fertilization)
- Reproduction in flowering plants (from seedling to flowering stage)
- Ecosystem (biotic and abiotic components)
- Adaptations to living things to the environment (behavioral and structural adaptations)
- Pollution (causes and effects of pollution)
- Human Population (birth rate, death rate, migration, immigration, emigration)
- Weather (clouds, fog, hail, wind)
- Materials and their properties (transparency, magnetic property, conductivity)

## **HISTORY AND GEOGRAPHY**

- Globes, different types of maps (flat, interrupted, Mercator, political, physical), cultural and natural boundaries, hemispheres, latitude/longitude, time zones, natural resources, climates
- Civil War and Reconstruction, Expanding West and Overseas, Industry and Immigration, Fight for Women's Rights, The Progressive Era, World War I, The Roaring Twenties, The Great Depression, World War II, The Cold War, Civil Rights, and Americans Today
- Inventions(car, plane and etc.)

## **CHARACTER STUDIES**

This course expands upon the nine-core character traits emphasized each month at LBA. Students learn about ancient and modern people who either show good character that we can model or display poor character that we can learn from. In class, students participate in discussions, answer personal application questions, and complete short assignments. For homework one time a month, students complete a longer project on the month's theme.

## **MANDARIN for native speakers**

**Words, sentences and characters**

- Enlarge Chinese vocabulary
- Continue learning 350 phrases, comprehensive phrases and sentences from the contexts

**Reading**

- Understand the contents of the text and the thought of the writer
- Speed up the silent read
- Solve problems by using computers
- Expand reading range

**Writing**

- Use punctuation correctly
- Observe life carefully and cultivate habits of accumulating materials.
- Write observing diary, material composition, imaginative composition
- Write 350 characters' essay
- Read one Chinese book and write 1 book report per month

**Oral Chinese and Communication**

- Share personal experience in an organized way
- Pay attention, do not interrupt others while talking
- Do simple public speaking

**Others**

- Expanding Chinese traditional knowledge while learning articles from textbook.
- Each unit has 2 ancient poetries. Students are required to read all the poetries very frequently. Reciting is even better.

**MANDARIN for non-native speakers**

- Recognize and read with accuracy frequently seen words and highly contextualized words and phrases.
- Generate and answer questions to demonstrate reading comprehension and use strategies to self- correct when needed.
- Maintain conversations with native Mandarin speakers at

the short paragraph level.

- Understand the Chinese writing system and use certain grammatical patterns and connected sentences to write paragraphs.
- Follow steps to do research papers and present topics related to personal interests and studies.
- Follow multiple written directions and begin to write a multiple-paragraph essay using a structured model and teacher guidance.
- Write 500 Chinese characters.

## **ART**

The LBA Art classroom is a positive learning environment that helps to motivate students to be creative, solve problems, and think “outside the box”.

### **MAIN GOAL:**

LBA students are encouraged to make conscious choices. They are encouraged to ask questions like:

What materials are needed to accomplish this task?

How do these tools work? How can tools be used to make a particular effect?

What happens when I experiment with these tools and different mediums?

How does my work reflect how I feel and/or think?

Students build their self-confidence and passion for learning when they are creatively encouraged and encouraged to create.

### **PRIMARY EMPHASIS:**

Create - Learn to investigate, organize and complete works of art using the exploration of materials.

Present - Learn to share and listen to others explain the choices they make in art.

Respond - Learn to perceive, analyze, critique and interpret artistic work through discussion.

Connect - Learn about art in history and society...different times, places, and cultures.

### Grade 5

In Grade 5, students apply the elements of design to communicate for a variety of purposes and on a variety of themes. The focus of visual arts in these grades is to help students extend their exploration of relationships and personal experience in their own world. Students use a broader range of subject matter and media (tools, materials, processes, and techniques) to produce works of art. The teacher's role at this stage is to provide a positive working environment, facilitate the growth of technical skills and observational skills, and help students recognize that mistakes can be turned into creative opportunities.

Students use their knowledge of the elements and principles of design to solve artistic problems and analyse works of art. They generate and develop visual ideas in response to a variety of motivations, using imagination, observation, and a study of artists' works, and incorporate into their art ideas gained from sources such as independent reading.

## **PHYSICAL EDUCATION**

- Two, fifty-five-minute periods weekly that aims to provide students with instruction and opportunities to develop skills in various sports and activities that promote physical fitness.
- Students receive instruction and opportunities to play various sports including, but not limited to table tennis, basketball, floor hockey, volleyball, soccer, and softball.

## **MUSIC**

- Notate and identify whole notes/rests, half notes/rests, quarter notes/rests, and eighth notes/rests
- Identify line/space notes in Treble clef
- Sing and sign all the solfege syllables
- Sing with a quality sound
- Explore and sing a variety of repertoire from different genres of

music

- Identify and express dynamic markings (f, p, mf, mp, ff, pp)
- Recognize various instruments by sight and sound
- Study composers and their music compositions
- Study seasonal and holiday music
- Participate in Christmas production