



Xining International Academy Curriculum Summary Grade 5

In Grade 5 our teachers strive to:

- Work with students as individuals, accommodating different learning styles.
- Provide a nurturing atmosphere that supports the students' emotional, physical, social and intellectual development in a multicultural context.
- Challenge each student to work to his/her potential

The following is a brief summary of what an average fifth grader needs to know and be able to do by the end of the fifth grade year.

Personal Development Skills

Students should have an understanding that through consistent effort, they can:

- Succeed
- Value their accomplishments
- Appreciate their own culture and also the culture of others

Math

Concepts developed include:

- Integers
- Ratios
- Percents
- Comparing, , rounding and ordering fractions, decimals, mixed numbers and numbers to the thousandths place
- Adding, subtracting and multiplying fractions and decimals
- Multiplying and Dividing
- Equations
- Measurement
- Geometry, lines, angles, polygons, circles, area, congruence
- Graphs
- Probability and Statistics

Language Arts

Concepts developed include:

Grammar and Usage

- Parts of Speech
- Sentence Structure
- Synonyms, Antonyms, homographs
- Similes, metaphors, idioms
- Punctuation and Capitalization

Writing and Research

- Producing a variety of types of writing- including opinion, informative, explanatory, narrative, reports, summaries, letters, descriptions, research essays, essays that explain a process, stories, poems- with a coherent structure or story line
- Know how to gather information from different sources
- Information in his or her own words, with attention to the following:

Understanding the purpose and audience of the writing

Defining a main idea and sticking to it

Providing an introduction and conclusion

Organizing material in coherent paragraphs

Illustrating points with relevant examples

Documenting sources in a rudimentary bibliography

Reading

Students will:

- Read and comprehend literature, including stories, dramas, and poetry
- Evaluate character development and major themes
- Compare and contrast stories in the same genre
- Compare and contrast the overall structure of a text
- Identify elements of a story, main ideas and points of view; sequence events and summarize

Oral Presentation

Students will:

- Report on a topic or text or present an opinion, sequencing ideas logically and using descriptive

details to support main ideas or themes; speak clearly at an understandable pace

- Engage in a range of collaborative discussions (one-on-one, in groups, and teacher-led)
- Give presentations on a variety of topics including speeches, reports, timeline, and projects

Social Studies

Students will study:

The Age of Exploration

- World Travel and Trade
- Europeans arrive in America
- Conquest of the Americas
- New Spain

European Settlements

- The Northwest Passage
- Jamestown
- Dutch and French Colonies

Middle and Southern Colonies

- Slavery

The American Revolution

- The French and Indian War
- Battle of Bunker Hill
- Independence
- Patriot and Loyalist
- Thomas Jefferson
- Valley Forge

Creating a Nation

- World Constitutions
- The Liberty Bell
- Washington

The War of 1812

The Industrial Revolution

- The Cotton Mill
- Reform Movements
- Immigrants and Reformers
- Moving West

The Civil War

- Causes of the Civil War
- Civil War and Reconstruction

Big Business and Big Cities

- The Statue of Liberty
- Migration

World War 1

World War 2

The US and the World

- Women's Rights

- Communism
- Technology

Science

Concepts include the study of:

Cells to Body Systems

- Blood Circulation
- Digestion and Waste
- Body Temperature

Plant and Animal Reproduction

- Germination
- Adaptation

Ecosystems

- Organisms
- Environmental Changes
- Energy and ecosystems

Natural Resources

- Waste
- Conservation

Changes to the Earth's Surface

- Weathering
- Water
- Movement of the Earth's Crust

The Rock Cycle

- Minerals
- Classifications

Fossils

- Ancient Earth
- Use of Fossils

Earth's Oceans

- Ocean Water
- Ocean Ecosystems

The Solar System and the Universe

- Stars and Galaxies
- Objects in the Solar system

Matter

- Solids, Liquids, Gases
- Water
- Mixtures and Solutions
- Atomic Theory

Visual Arts

Concepts include the study of:

- Art of the Renaissance
- American 19th Century Art

Music

Students will:

- Be familiar with the basic elements of music
- The Orchestra
- Composers

- Recognize harmony
- Understand basic musical terms

being physically fit, having fun, and being the best that you can be

- Student participate in basketball, soccer, badminton, basic skills in baseball, games, and team building activities

Chinese

Level 4 Students will be able to:

- Describe: Occupations, Appearance, Personalities and Characteristics, Jobs, Daily Routines, Pets, School Life, Chinese Festivals and Food, Eating Out, Northern and Southern Chinese Food, Living Environment, Travel

Level 5 Students will be able to:

- Describe: Family and Friends, Travel, Climate, Sightseeing, Purchasing and Bargaining, Studying Chinese, Healthy Food, Eating habits, Emergencies, Chinese Culture (holidays, festivals, geography, population, ethnic groups, historical areas), and Differences between Chinese and Western culture

Level 6 Students will be able to describe:

- China (topography, important cities, provinces, population and historical land areas), Scenic Places in China (natural and manmade land areas).
- The Development of Chinese written Characters
- Family Relationships
- Shopping
- The Four Major Chinese Cuisines, Tea Culture, Wine Culture, and Traditional Food
- Eating Out, Food and Festivals
- Transportation
- Social Etiquette (Chinese and Western differences)
- Chinese Customs
- Historical Figures
- Chinese Ancient Philosophies
- Chinese Ancient Science- The Four Great Inventions
- Chinese Literature- Poems, Song Poems, and Modern Literature

Physical Education

The goal of Physical Education is to:

- Promote the benefits of physical training and healthy competition such as working as a team,