



Xining International Academy Curriculum Summary Grade 3

In Grade 3, 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 third grader needs to know and be able to do by the end of the third 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:

Numbers

- Read and write numbers (in digits and words) up to six digits
- Recognize place value up to hundred thousands
- Order and compare numbers to 999,999 using the signs $<$, $>$, and $=$
- Write numbers in expanded form
- Use a number line
- Identify ordinal position, 1st to 100th
- Review even and odd numbers, pairs
- Round to the nearest ten; to the nearest hundred
- Identify Roman numerals from 1-20 (I-XX)
- Locate positive and negative whole numbers on a number line
- Create and interpret bar graphs and line graphs

Fractions and Decimals

- Recognize fractions to 10 and fractions whose denominator is 100
- Identify numerator and denominator
- Write mixed numbers
- Recognize equivalent fractions
- Compare fractions with like denominators using the signs $<$, $>$ and $=$
- Read and write decimals to the hundredths

Money

- Write amounts of money using \$ sign and the decimal point
- Make change
- Add and subtract amounts of money

Addition

- Review and practice basic addition facts
- Mentally estimate a sum
- Use mental computation strategies
- Addition with and without regrouping: find the sum (up to 10,000) of any two whole numbers

Subtraction

- Understand the inverse relation between addition and subtraction; use addition to check subtraction
- Mentally estimate the difference
- Use mental computation strategies
- Subtraction with and without regrouping: given two whole numbers of 10,000 or less, find the difference

Multiplication

- Master basic multiplication facts
- Mentally multiply by 10, 100
- Estimate a product
- Solve word problems involving multiplication

Division

- Understand multiplication and division as inverse operations
- Know the meaning of dividend, divisor, and quotient
- Know basic division facts
- Divide two and three digit dividends by one digit divisors
- Solve division problems with remainders
- Check division by multiplying (and adding remainder)

Equations

- Solve two step word problems
- Solve equations in the form of $__ \times 9 = 63$
- Solve problems with more than one operation as in: $(43 - 32) \times (5 + 3) = __$

Measurement

- Make linear measurements in yards, feet, inches, centimeters and meters
- 1 meter=100 centimeters; 1 meter is a little more than one yard
- Measure and draw line segments in inches (to $\frac{1}{4}$ inch) and in centimeters

Weight

- Compare weights of objects using a balance scale
- Estimate and measure weight in pounds, ounces, grams and kilograms
- Know abbreviations; lb., oz., g, kg

Capacity (volume)

- Compare US and metric liquid volumes: cups, pints, quarts, gallons, and liters
- Know that 1 quart=2 pints; 1 gallon= 4 quarts
- Measure and record temperature in degrees: Fahrenheit and Celsius

Temperature

- Measure and record temperature in degrees Fahrenheit and Celsius
- Identify freezing point of water as 32F=0C

Time

- Read a clock face and tell time in terms of both “minutes before” and “minutes after” the hour
- Know how to distinguish time as a.m. or p.m.
- Solve problems on elapsed time (how much time has passed)
- Using a calendar, identify the date, day of the week, month, and year
- Write the date using words and numbers

Geometry

- Identify lines as horizontal, vertical, perpendicular, or parallel
- Name lines and line segments (for example line AB; segment CD)
- Recognize and draw congruent figures
- Identify a right angle and there are four right angles in a square or rectangle

Reading/Reading Comprehension

- Independently read and comprehend longer works of fiction and non-fiction appropriately written for third grade or beyond
- Point to specific words or passages that are causing difficulties in comprehension
- Orally summarize main points from fiction and nonfiction readings
- Ask and pose plausible answers to how, why and what-if questions in interpreting texts both fiction and nonfiction
- Know how to use a table of contents and index to locate information
- Use a dictionary to answer questions regarding meaning and usage of words with which he or she is unfamiliar

Writing

- Produce a variety of types of writing- such as stories, reports, poems, letters, descriptions- and make reasonable judgements about what to include in his or her own written works based on the purpose and type of composition
- Know how to gather information from basic print sources and write a short report presenting the information in his or her own words

- Produce written work with a beginning, middle, and end
- Organize material in paragraphs and understand how to use a topic sentence, how to develop a paragraph with examples and details
- In some writings, proceed with guidance through a process of gathering information, organizing thoughts, composing a draft, revising to clarify and refine his or her meaning, and proofreading with attention to spelling, mechanics, and presentation of a final draft

Spelling, Grammar, and Usage

- Spell most words correctly or with a highly probable spelling, and use a dictionary to check and correct spellings about which he or she is uncertain
- Use capital letters correctly
- Understand what a complete sentence is and identify subject and predicate in single-clause sentences
- Distinguish complete sentences from fragments
- Identify and use different sentence types: declarative (makes a statement), interrogative (asks a questions), imperative (gives a command), and exclamatory (for example, “What a hit!”)
- Know the following parts of speech and how they are used: nouns, pronouns, verbs, adjectives, and adverbs
- Know how to use the following punctuation: period, question mark, or exclamation point, commas, and apostrophes

Vocabulary

- Know what prefixes and suffixes are and how they affect word meaning
- Know what homophones are and the correct usage of homophones that commonly cause problems
- Recognize common abbreviations

Social Studies

Geography

Community and Geography

- What is Community?
- Kinds of Communities

Our Land and Resources

- Earth’s Land and Water
- Your Country’s Geography
- Communities and Resources

Old and New Communities

- Early Native Americans
- Explorers
- Colonies

People Move from Place to Place

- Settlements

- Moving West

Citizenship

- Making a Difference
- Rights and Responsibilities

Government

- Local Government
- State Government
- National Government

Economics

- Using Money
- Making Choices
- Communities and Trade
- Producers
- Making Goods

People and Cultures

- Culture in Community
- Cultural Holidays
- Heros
- Heros

Connections to Our World

- Government and Citizenship
- In the Americas: North America, and South America

World Regions

- Geography
- Economics
- Citizenship

Science

Concepts include the study of:

- Seasonal Cycles
- Life Cycles
- Water Cycle
- Insects
- The Body
- Digestive and Excretory Systems
- Cells
- Health and Diet
- Magnetism
- Simple Machines

Visual Arts

- Elements of Art
- Design

Music

- Recognize and become familiar with the basic elements of music (rhythm, melody, and harmony)
- Discriminate between fast, slow, high and low (pitch), loud and soft
- Recognize a steady beat, accents, and the downbeat
- Move responsively to music (marching, walking, hopping, swaying, etc.)
- Know the names of musical notes; scale as a series of notes; singing the C major scale using “do, re mi” etc.

Chinese

Levels 1 Student’s will be able to:

- Know the rules of Pinyin and basic stroke order
- Write Simple, Beginning Chinese Characters
- Describe: Family, Colors, Food, Daily Life, Time, Transportation, Numbers, Animals, Weather, Clothing, Jobs, Dates, Ages, Phone numbers, and Body parts

Level 2 Student’s will be able to:

- Introduce themselves using polite and appropriate phrases
- Describe: Favorite Hobbies, Days of the Week, Habits of Cleanliness, Food, Chinese Festivals, Seasons, Living Environments, Eating Out, Different countries names and flags, Neighborhoods, and Directions

Level 3 Student’s will be able to:

- Describe topics such as: Appearance, Sickness, Occupations, School, Food, Travel, Diet, and Family Relationships

Physical Education

- The goal of Physical Education is to:
- Promote the benefits of physical training and healthy competition such as: working as a team, being physically fit, having fun, and being the best that you can be.
- Students participate in basketball, soccer, badminton, basic skills in baseball, games, and team building activities