

Grade 4 Math



Dominican International School

Course Syllabus

School Year 2026–27



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Grade 4
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COURSE DESCRIPTION:

Fourth grade math provides many activities that will further develop the acquisition of mathematical concepts and skills learned in the previous grades. The lessons are built in the context of life-related situations help students retain and apply theories they have learned. Basic operations deal with larger whole numbers and decimals, like and unlike fractions, solving simple algebraic expressions, and using simple formulas to solve problems in geometry. The program seeks to help students develop an understanding of math concepts through problem-based instruction, small-group interaction, and visual learning with a focus on reasoning and modeling. Each lesson includes daily review and a small-group, problem-based activity, followed by guided and independent practice activities. Lessons are organized into a customizable sequence of topics and use texts, workbooks, manipulatives, and technology, incorporating both group and individual activities.

COURSE OBJECTIVES:

1. Recognizing number operations in base 10.
2. Explain operations and algebraic thinking through expressions and patterns.
3. Solve problems through number operations through division, multiplication, and measuring in metric units.
4. Solve problem-based learning through addition, subtraction, and multiplication of fractions.
5. Explore geometry through triangles, volume, three-dimensional figures, and problem solving.

PRIMARY TEXTBOOKS AND OTHER RESOURCES:

● **TEXT:** enVisionmath 2.0, 2016, Rana I. Charles, Jennifer Bay Williams, Robert Q. Berry, III et al ISBN -13 978-0-328-82781-

● **LINKS:**

1. Our school website: <http://www.dishs.tp.edu.tw/>
2. Publisher's website: <https://www.savvasrealize.com/#/>
3. Online Math Practice: <https://www.khanacademy.org/math/cc-fourth-grade-math>
<https://www.mathsisfun.com/links/curriculum-year-4.html>

GRADING SYSTEM/ASSESSMENT:

- 1) **Class participation and Homework**(30% of quarterly grade)
- 2) **Quizzes** (30% of quarterly grade)
- 3) **Quarterly Exams** (30% of quarterly grade)
- 4) **Department Marks** (10% of quarterly grade)

ADDITIONAL INFORMATION:

Please always check Google Classroom for homework and announcements.

CLASSROOM EXPECTATIONS:

- 1) Be on time to class; be seated **before** the bell rings.
- 2) Wear your uniform neatly.
- 3) Use English at all times.
- 4) Be respectful of others (especially when speaking), and of school property.
- 5) Do your best and participate in discussions.

HOMEWORK RULES

- 1) All homework should be handed in on the due date. If homework isn't completed and in hand, please let your teacher know so that a record can be made. If late, points may be deducted.
- 2) All homework should be done according to the directions/instructions given.

ACADEMIC DISHONESTY:

Academic Dishonesty means employing a method or technique or engaging in conduct in an academic endeavor that contravenes the standards of ethical integrity expected at DIS.

Academic dishonesty includes but is not limited to the following:

- Purposely incorporating the ideas, words of sentences, paragraphs, or parts thereof without appropriate acknowledgment and representing the product as one's work;
- Representing another's intellectual work, such as photographs, paintings, drawings, sculpture, research, or the like, as one's own, including failure to attribute content to an AI.
- Employing a tutor, using Artificial Intelligence without acknowledgment, getting a parent to write a paper or do an assignment, and paying for an essay to be written by someone else and presented as the student's work.
- Committing any act that a reasonable person would conclude, when informed of the evidence, to be a dishonest means of obtaining or attempting to obtain credit for academic work.

Any act of academic dishonesty will result in an automatic zero on the entire assignment/learning task.

WEEKLY SCHEDULE

First Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 Aug 10 - 14	Monday Class Preparation ~ Student Holiday Tuesday Morning Assembly Friday Opening Mass & Assumption of Our Lady 8:00 Routines/Procedures. Topic 1: Generalize Place Value Understanding
Week 2 Aug 17 - 21	Topic 1: Generalize Place Value Understanding <u>Topic 1 Quiz</u>
Week 3 Aug 24 - 28	Topic 2: Fluently Add and Subtract Multi-Digit Whole Numbers
Week 4 Aug 31 - Sep 4	<u>Topic 2 Quiz</u> Topic 3: Use Strategies and Properties to Multiply by 1-Digit Numbers
Week 5 Sep 7 - 11	Topic 3: Use Strategies and Properties to Multiply by 1-Digit Numbers <u>Topic 3 Quiz</u>
Week 6 Sep 14 - 18	Topic 4: Use Strategies and Properties to Multiply by 2-Digit Numbers
Week 7	T-W-Th Pre-Exam Days

Sep 21 - 25	Friday Moon Festival ~ Public Holiday Topic 4: Use Strategies and Properties to Multiply by 2-Digit Numbers <u>Topic 4 Quiz</u>
Week 8 Sep 28 - Oct 2	Monday Confucius' Birthday ~ Public Holiday Thursday Major Exams Day 1 Friday Major Exams Day 2 Topics 1-4 Review and Assessment First Quarter Exams (Half-days)
Week 9 Oct 5 - 9	Monday Record Day ~ Student Holiday T-W-Th Teachers Conference ~ Student Holiday Friday Double 10 Day ~ Public Holiday

Second Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 (10) Oct 12 - 16	Topic 5: Use Strategies and Properties to Divide by 1-Digit Numbers
Week 2 (11) Oct 19 - 23	Topic 5: Use Strategies and Properties to divide by 1-Digit Numbers <u>Topic 5 Quiz</u>
Week 3 (12) Oct 26 - 30	Monday Retrocession Day ~ Public Holiday Topic 6: Use Operations with Whole Numbers to Solve Problems
Week 4 (13) Nov 2 - 6	Topic 6: Use Operations with Whole Numbers to Solve Problems
Week 5 (14) Nov 9 - 13	<u>Topic 6 Quiz</u> Topic 7: Factors and Multiples
Week 6 (15) Nov 16 - 20	Topic 7: Factors and Multiples
Week 7 (16) Nov 23 - 27	T-W-Th Pre-Exam Days <u>Topic 7 Quiz</u>

	Topic 8: Extend Understanding of Fraction Equivalence and Ordering
Week 8 (17) Nov 30 - Dec 4	Topic 8: Extend Understanding of Fraction Equivalence and Ordering <u>Topic 8 Quiz</u>
Week 9 (18) Dec 7 - Dec 11	Monday TBD Tuesday Foundation Day Mass 9:00, Cutting of the Cake Ceremony, Christmas Fair, (Whole day) Wednesday TBD Thursday Major Final Exams half day Friday Major Final Exams half day Topics 5-8 Review and Assessment Second Quarter Exams (Half-days)
<i>Dec 14 to Jan 1 Christmas Break</i>	

Third Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 (19) Jan 4 - Jan 8	Monday Record Day ~ Student Holiday Friday New Year Mass at 8:00 Topic 9: Understand Addition and Subtraction of Fractions
Week 2 (20) Jan 11 - Jan 15	Topic 9: Understand Addition and Subtraction of Fractions
Week 3 (21) Jan 18 - Jan 22	<u>Topic 9 Quiz</u> Topic 10: Extend Multiplication Concepts to Fractions
Week 4 (22) Jan 25 - Jan 29	Topic 10: Extend Multiplication Concepts to Fractions
Week 5 (23) Feb 1 - Feb 5	Thursday Little New Year's Eve ~ Public Holiday Friday Lunar New Year ~ Public Holiday <u>Topic 10 Quiz</u> Topic 11: Represent and Interpret Data on Line Plots
<i>February 8 to 12 Chinese New Year Holiday</i>	

Week 6 (24) Feb 15 - Feb 19	Topic 11: Represent and Interpret Data on Line Plots <u>Topic 11 Quiz</u>
Week 7 (25) Feb 22 - Feb 26	Feb 22-26 IOWA Assessments
Week 8 (26) Mar 1 - Mar 5	Monday Memorial Day ~ Public Holiday T-W-Th Pre-Exam Days Topic 12: Understand and Compare Decimals
Week 9 (27) Mar 8 - Mar 12	Topic 12: Understand and Compare Decimals
Week 10 (28) Mar 15 - Mar 19	<u>Topic 12 Quiz</u> Comprehensive Review of Topics 9-12
Week 11 (29) Mar 22- Mar 26	Tuesday Major Final Exams half day Wednesday Major Final Exams half day Thurs - Fri Easter Break (Spring Break) ~ Public Holiday Third Quarter Exams (Half-days)
<i>March 25 to April 2 Easter & Spring Break</i>	

Fourth Quarter Tentative Course Content

Week & Date	Topics / Projects / Assessments
Week 1 (30) Apr 5 - Apr 9	Monday Tomb Sweeping Day ~ Public Holiday Tuesday Children's Day ~ Public Holiday Topic 13: Measurement: Find Equivalence in Units of Measure
Week 2 (31) Apr 12 - Apr 16	Topic 13: Measurement: Find Equivalence in Units of Measure <u>Topic 13 Quiz</u>
Week 3 (32) Apr 19 - Apr 23	Topic 14: Algebra: Generate and Analyze Patterns
Week 4 (33) Apr 26 - Apr 30	T-W-Th Pre-Exam Days Friday Labor Day ~ Public Holiday

	Topic 14: Algebra: Generate and Analyze Patterns <u>Topic 14 Quiz</u>
Week 5 (34) May 3 - May 7	May 3 - 7 Final Exams (K, Gr. 5, 8, & 12 Only) May 3 - 14 AP Exams Topic 15: Geometric Measurement: Understand Concepts of Angles and Angle Measurement
Week 6 (35) May 10 - May 14	3 - 14 AP Exams Wednesday Major Final Exams Undergraduates half day Thursday Major Final Exams Undergraduates half day Friday Record Day ~ Student Holiday Fourth Quarter Exams (Half-days)
Week 7 (36) May 17 - May 21	Monday Gr. 12 Recollection (Morning) Monday Baccalaureate Mass (Afternoon, Schoolwide) Wednesday House Sports Day Thursday High School Field Trip Friday House Culminating Activity All Week Student Clearance Days & Special Events Topic 15: Geometric Measurement: Understand Concepts of Angles and Angle Measurement <u>Topic 15 Quiz</u> Topic 16: Lines, Angles and Shapes
Week 8 (37) May 24 - May 28	Monday Middle & High School Sports Day Monday LS Field Trip Tuesday Kindergarten Graduation/Gr. 5 Promotion Wednesday Gr. 8 Graduation and Gr. 12 Graduation Thursday Pre-Kindergarten & Gr. 1 - 4, 6 & 7, 9-11 Recognition Friday Last Day of School for Students Topic 16: Lines, Angles and Shapes <u>Topic 16 Quiz</u>