



Dominican International School
台北市私立道明外僑學校
No. 76, Dazhi Street, Taipei (104042), Taiwan, R.O.C.
10464 臺北市中山區大直街 76 號



COURSE SYLLABUS

School Year	2025-2026
Subject	Math
Grade Level	2
Teacher	Mr. Eric Williams, Charles Marks
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COURSE DESCRIPTION:

The second-grade Math curriculum builds extensively on what was taught in first grade using the McGraw-Hill Reveal Math Grade 2 textbook. The syllabus is planned and centered using the Common Core State Standards (CCSS).

The construction of Mathematical knowledge continues through the use of manipulative tools and problem-solving discoveries. Students acquire knowledge and skills, and develop an understanding of Mathematics from their own experience. This means that students will be provided with a wide range of meaningful experiences through applying Math in real-life contexts and situations, where children will become actively involved in learning. In this way, students will be gradually aided in gaining an understanding of the abstract and concrete.

The second-grade Math curriculum is divided into seven areas: Understanding What Math Is; Number and Numeration; Operations and Computation; Data and Chance; Measurement and Reference Frames; Geometry; Patterns, Functions, and Algebra.

Understanding What Math Is: (1) Use different representations to conceptualize problems and relate a number to the quantity it represents. (2) Ask appropriate questions of classmates about their solution strategies. (3) Model real-world situations in different ways. (4) Consider available tools when solving a problem. (5) Look for patterns in operations.

Number and Numeration: (1) Understand the Meanings, Uses, and Representations of Numbers through rote counting, place value and notation, meanings and uses of fractions, and number theory. (2) Understand Equivalent Names for Numbers through the use of tally marks, arrays, and numerical expressions; learn equivalent names for fractions, decimals, and percentages. (3) Understand Common Numerical Relations by comparing and ordering numbers.

Operations and Computation: Learn to compute accurately through addition and



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subtraction facts and procedures. Make reasonable estimates through computational estimation. Understand the meaning of operations through operational modeling.

Data and Chance: Select and create appropriate graphical representations of collected or given data; analyze or interpret data; understand and apply basic concepts of probability through qualitative probability practice.

Measurement and Reference Frame: Understand the systems and processes of measurement; Use appropriate techniques, tools, units, and formulas in making measurements. These understandings will be derived through the study of the following concepts: length, weight, and angles; area, perimeter, volume, and capacity; units and systems of measurement; and money. We will also use and work to understand reference frames through the examination of temperature and time.

Geometry: Investigate characteristics and properties of two- and three-dimensional geometric shapes via the careful inspection of lines, angles, planes, and solid figures. Apply transformations and symmetry in geometric situations.

Patterns, Functions, and Algebra: Understand patterns and functions; use algebraic notation to represent and analyze situations and structures. Study arithmetic operations by familiarizing ourselves with the commutative and associative properties of addition.

COURSE OBJECTIVES:

Quarter 1

- **Tell my math story**
- **Recognize how we are all doers of math**
- **Make sense of a problem and explore solution pathways**
- **Think about numbers in different ways**
- **Represent a real-world situation using math**
- **Explain how to use tools to solve a problem**
- **Explain my thinking**
- **Listen to the ideas of my classmates**
- **Describe and extend a pattern**
- **Use patterns to solve problems**
- **Explain how to work well on my own and in a group**
- **Describe the steps I can take to solve math problems**



- **Count and represent whole numbers as lengths from 0 on a number line.**
- **Practice partnership principles while solving addition and subtraction number stories.**
- **Count tallies and calculate the value of coin combinations.**
- **Use patterns to solve an open-response problem.**
- **Explore even and odd numbers using concrete and visual models.**
- **Skip count on calculators and number grids.**
- **Look for place-value patterns.**
- **Explore place-value concepts with money.**
- **Write and solve addition number stories.**
- **Explore doubles and combinations of 10 to build fact fluency.**
- **Generate equivalent names for numbers.**
- **Solve an open-response problem using personal fact strategies.**
- **Write subtraction number stories.**
- **Generate addition and subtraction facts.**

Quarter 2

- **Discuss and use counting-up and counting-back strategies for subtraction.**
- **Explore the -0 and -1 fact strategies.**
- **Use doubles to solve subtraction facts.**
- **Use the going-back-through -10 strategy for subtraction.**
- **Use the going-up-through -10 strategy for subtraction.**
- **Explore rectangles, fact wheels, and coins.**
- **Tell time to the nearest hour, half hour, and five minutes using a.m. and p.m.**
- **Discuss place value and represent 3-digit numbers using base-10 blocks and expanded form.**
- **Make sense of a 3-digit number represented by base-10 blocks**
- **Analyze explanations and drawings.**
- **Use base-10 blocks to model addition and subtraction.**



- **Match subtraction facts with arrays.**
- **Develop math-fact power by using mental strategies to add two 1-digit numbers.**
- **Use money for counting, making equivalencies, and buying.**
- **Create arrays and match clock faces to their corresponding digital notation.**

Quarter 3

- **Measure objects with a foot-long ruler.**
- **Use both inches and centimeters to measure.**
- **Develop strategies for mentally adding and subtracting 10 and 100.**
- **Use an open-number line as a tool for solving number stories.**
- **Solve change-to-more number stories.**
- **Solve parts-and-total number stories.**
- **Solve change number stories involving temperature.**
- **Complete and open the response to the problem by solving an addition problem.**
- **Draw pictures and bar graphs to represent data sets.**
- **Solve comparison number stories.**
- **Choose diagrams to use for solving number stories.**
- **Solve two-step number stories.**
- **Make ballpark estimates.**
- **Invent and record personal strategies for solving addition problems.**
- **Use base-10 blocks to find partial sums.**
- **Build readiness for partial-sum addition.**
- **Subtract with base-10 blocks.**
- **Explore arrays, lengths, and shapes.**
- **Find differences between 2-digit numbers and multiples of 10.**
- **Work on the addition of four or more addends, and openly discuss solutions.**
- **Explore U.S. customary length units and measures to the nearest yard.**



- Find personal references for metric units of measure.
- Choose appropriate units and tools to estimate and measure lengths.
- Measure lengths to the nearest centimeter and inch.
- Discuss the shortest and longest standing jumps, and create plot lines with data.

Quarter 4

- Use arm spans to create a frequency table and then make a line plot for the set of data.
- Sort shapes, draw a picture graph, and measure body parts.
- Describe the attributes of 2-dimensional shapes.
- Identify shapes.
- Build and compare various polygons.
- Draw and reason about quadrilaterals.
- Sort and compare 3-D shapes.
- Partition rectangles into same-size squares.
- Solve number stories about equal groups and arrays.
- Build equal groups and arrays and write models for them.
- Describe attributes of shapes and build polygons with trapezoids.
- Work with fractions on a geoboard.
- Divide shapes and use fraction vocabulary.
- Explore equal shares of different shapes and use pattern blocks to divide shapes.
- Measure lengths to the nearest half-inch.
- Write multi-digit numbers in expanded form and compare them.
- Use base-10 blocks to solve subtraction problems.
- Use expand-and-trade subtraction.
- Practice finding coin and bill combinations with equivalent values.
- Estimate costs.
- Solve number stories about two equal groups.
- Skip count and add to solve problems involving multiples of 10 and 5.



PRIMARY TEXTBOOKS AND OTHER RESOURCES:

McGraw-Hill Reveal Math Grade 2 textbook, Student Practice Book

Online access: <https://my.mheducation.com/login?logout=true>

GRADING SYSTEM/ASSESSMENT:

Students will be assessed with class participation, observation, homework, class work, objective quizzes/tests, oral responses, and quarterly exams. The student's final grade will be computed mainly based on three parts: performance tasks (homework and class work), quizzes, and quarterly exams. Each part is weighted at one-third of the total course grade.

Quizzes will relate to current and previous topics. A quiz may be given at any time during any class period—immediately after a lecture, at the beginning or end of a class, etc. Students absent from class for a test or a quiz must make arrangements to take the quiz or test at a later time.

You must complete the assigned worksheets/Homework sections.
Worksheets/Homework Sections and test **papers will be checked for completeness and returned. The scores will be given.**

ADDITIONAL INFORMATION:

Academic Dishonesty:

Academic Dishonesty means employing a method or technique or engaging in conduct in a scholarly endeavor that contravenes the standards of ethical integrity expected at DIS. Academic dishonesty includes but is not limited to the following:

- 1. Purposely incorporating the ideas, words of sentences, paragraphs, or parts thereof without appropriate acknowledgment and representing the product as one's own work; and*
- 1. Representing another's intellectual work such as photographs, paintings, drawings, sculpture, or research or the like as one's own, including failure to attribute content to an AI.*
- 2. Employing a tutor, making use of Artificial Intelligence without acknowledgement, getting a parent to write a paper or do an assignment, paying for an essay to be written by someone else and presented as the student's own work.*
- 3. 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.*



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

Please see Google Classroom for more information.

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

First Quarter Tentative Course Content

Week/Date	Topic/Projects/Assessments
Week 1 (August 12 to 15) <u>4 days of class</u> 12-General Assembly at the Gymnasium 15-Opening Mass & Assumption of Our Lady	Introduction to course content and procedures for Math Rules and Expectations McGraw-Hill Reveal Math Grade 2, <i>Book 1</i> , L1: Math Is Mine
Week 2 (August 18 to 22) 18-St. Dominic de Guzman Feast Day Celebration) Integrated during the Monday Assembly 20- House Shirt & Blue Jeans Day Starts 22- Club Orientation and Club Sign-up	L2: Math Is Exploring and Thinking L3: Math Is In My World L4: Math Is Explaining and Sharing L5: Math Is Finding Patterns L6: Math Is Ours
Week 3 (August 25 to 29) 27- High School Talk - "Kickstart Your Success: Winning Mindsets for a Great School Year" 29- First Club Meeting	Unit 2: Place Value to 1,000 L1: Understand Hundreds L2: Understand 3-Digit Numbers L3: Read and Write Numbers to 1,000
Week 4 (September 1 to 5) 1- Launching of the World Day of Prayer for the Care of Creation (During the Monday Assembly) 1-AP Registration 3- AEO Fall University Fair 5- House Ceremony	L4: Decompose 3-Digit Numbers L5: Compare 3-Digit Numbers
Week 5 (September 8 to 12) 8- Holy Mass: Nativity of the Blessed Virgin Mary & VIP Induction 10- House Mini Games Start	Unit 3: Patterns Within Numbers L1: Counting Patterns L2: Patterns When Skip-Counting by 5s L3: Patterns When Skip-Counting by 10s and 100s
Week 6	L3: Patterns When Skip-Counting by 10s and 100s



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(September 15 to 19) 15- Catholic Bridge Program for all New Students (After the Monday Assembly at the Gymnasium) 19- Athletics / Sports Orientation 19- PSAT/NMSQT Registration deadline	L4: Understand Even and Odd Numbers L5: Addition Patterns
Week 7 (September 22 to 26) 22- Celebration of the International Day of Peace-Peace Pole Ceremony (During the Monday Assembly) Teacher's Day Celebration & 26-Teachers' Appreciation 26- Grade 12 Career Educational Trip 24 to 26-Pre-Exam Days	L6: Patterns with Arrays L7: Use Arrays to Add
Week 8 (September 29 to October 3) 29- Launching of the Month of the Holy Rosary (During the Monday Assembly) Oct. 1-2- First Quarter Exam (half day)	Review Q1 Exam
<i>Oct. 3-DIS Teachers and Staff Recognition Day/ Record Day Recollection for Aunties and Uncles (no classes for students)</i>	

Second Quarter Tentative Course Content

Week/Date	Topic/Projects/Assessments
<i>6-Moon Festival (no classes)</i>	
<i>7-9 Teacher's Conference (no classes)</i>	
Week 1 (11) (October 13 to 17) 13- Second Quarter Begins 13- Start of New Applicant Enrollment for 2nd Semester 14- Visit of Mother Mary to Classrooms (During the morning prayer) 15- AP Exam Only Registration Deadline 15- Monthly Career Talk - College Prep 17- PSAT/NMSQT Digital Exam	Unit 4: Meanings of Addition and Subtraction L1: Represent and Solve /Add to Problems L2: Represent and Solve /Take from Problems L3: Solve Two-Step Add to and Take from Problems
Week 2 (12)	(Review/continue)



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(October 20 to 24) 20- Jubilee: Marian Exhibit Opening (After the Monday Assembly) 20- Campus Safety Talk for Students 24- Book Fair (Senior Escape Room)	L3: Solve Two-Step Add to and Take from Problems L4: Represent and Solve Put-Together Problems L5: Represent and Solve Take Apart Problems L6: Solve Two-Step Put Together and Take Apart Problems
Week 3 (13) (October 27 to 31) 29- Grade 11 Career Educational Trip Oct. 31 to Nov. 1- Gr.6 SEL Camp	L7: Represent and Solve Compare Problems L8: Represent and Solve More Compare Problems L9: Solve Two-Step Problems with Comparison L10: Solve Two-Step Problems Using Addition and Subtraction
Week 4 (14) (November 3 to 7) 3- Feast of St. Martin de Porres Mass (integrated during the Monday Assembly) 5- Monthly Career Talk - College Prep	Unit 5: Strategies to Fluently Add Within 100 L1: Strategies to Add Fluently Within 20 L2: More Strategies to Add Fluently Within 20 L3: Represent Addition with 2-Digit Numbers L4: Use Properties to Add
Week 5 (15) (November 10 to 14) 14- Health Week 14- VIP-Parent Learning Community	L5: Decompose Two Addends to Add L6: Use a Number Line to Add L7: Decompose One Addend to Add
Week 6 (16) (November 17 to 21) 17- Launching of Mental Health and Anti-Bullying Month 21- Young Shakespeare Play Writing and Performing Contest	L8: Adjust Addends to Add L9: Add More Than Two Numbers L10: Solve One- and Two-Step Problems Using Addition
Week 7 (17) (November 24 to 28) 24- Peace Pole Day (Monday Assembly) 24- Lighting of the Christmas Tree after school (Campus Min/ ECA/ D' Torch Orchestra/ Religious Studies) (Afternoon) 25-27- Pre-Exam Days 27- Thanksgiving Potluck after school for teachers and staff 27- Thanksgiving Family Day 28- Gr. 12 Second Quarter Exam	Unit 6: Strategies to Fluently Subtract Within 100 L1: Strategies to Subtract Fluently Within 100 L2: More Strategies to Subtract Fluently Within 100 L3: Represent Subtraction with 2-Digit Numbers L4: Represent 2-Digit Subtraction with Regrouping L5: Use a Number Line to Subtract
Nov. 29 Invitation for All: The Jubilee Pilgrimage to Taipei (Saturday)	
Week 8 (18) (December 1 to 5) 1- First Week of Advent: Lighting of First Advent Candle (During the Monday Assembly) 3- Monthly Career Talk - College	L6: Decompose Numbers to Subtract L7: Adjust Numbers to Subtract L8: Relate Addition to Subtract L9: Solve One-Step Problems Using Subtraction (review)



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Prep 5- Nativity Play (Collaboration with Campus Ministry) 5- Christmas Fair Whole Day	L10: Solve Two-Step Problems Using Subtraction (review) Review lessons 9-10
Week 9 (19) (December 8 to 12) 8- Foundation Day Mass, cake ceremony, and Class Party (half day) 8- Solemnity of the Immaculate Conception 8- Second Week of Advent 10- Gr. 12 Advent Immersion 11 and 12- Second Quarter Exam (half day)	Q2 Exam
<i>December 13 Invitation for All: Advent Recollection @DIS (Saturday)</i>	
<i>December 15 to January 2 Christmas Break</i>	

Third Quarter Tentative Course Content

Week/Date	Topic/Projects/Assessments
<i>January 5- Record Day (No Classes for students)</i>	
Week 1 (20) (January 5 to 9) 5- PSAT 8/9 Registration Starts 6- Third Quarter Begins 7- Monthly Career Talk-College Prep 9- New Year Mass at 8:00	Unit 7: Measure and Compare Lengths L1: Measure Length with Inches L2: Measure Length with Feet and Yards L3: Compare Length Using Customary Units
Week 2 (21) (January 12 to 16) 16- Club Orientation & Sign Up	L4: Relate Inches, Feet and Yards L5: Estimate Length Using Customary Units L6: Measure Length with Centimeters and Meters L7: Compare Lengths Using Metric Units L8: Relate Centimeters and Meters
Week 3 (22) (January 19 to 23) 19-23- Individual Yearbook Photoshoot for Students 19-23- Career Awareness Week 22- Grade 9 Career Educational trip 23- First Club Meeting for 2nd Semester	L9: Estimate Length Using Metric Unit L10: Solve Problems Involving Length L11: Solve More Problems Involving Length
Week 4 (23) (January 26 to 30) 26- Feast Day of St. Thomas Aquinas/Launching of the	Unit 8: Measurement: Money and Time L1: Understand the value of coins L2: Solve Money Problems Involving Coins



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Catholic Week 26-28- Aquinas Conference: Science and Faith 26-30- Catholic Week Activities 30- DYM Charity Concert	L3: Solve Money Problems Involving Dollar Bills and Coins L4: Tell Time to the Nearest Five Minutes
Week 5 (24) (February 2 to 6) 1-4- WASC Mid-Cycle Visit 4- Monthly Career Talk - College Prep 6-7- SUAQ Recollection for MS	L5: Be Precise When Telling Time Unit 9: Strategies to Add 3-Digit Numbers L1: Use Mental Math to Add 10 to 100 L2: Represent Addition with 3-Digit Numbers
Week 6 (25) (February 9 to 13) 9- Start of New Applicant Enrollment for 1st Semester for SY2025-26 13- PSAT 8/9 Registration Deadline 13- House Valentine's Mini Fair 13- Chinese New Year Celebration	L3: Represent Addition with 3-Digit Numbers with Regrouping L4: Decompose Addends to Add 3-Digit Numbers L5: Decompose One Addend to Add 3-Digit Numbers L6: Adjust Addends to Add 3-Digit Numbers
February 16-20 Chinese New Year Holiday	
Week 7 (26) (February 23 to 26) 23-26- IOWA Assessments 23- Student Council Application 24-26- Pre-Exam Days	L7: Explain Addition Strategies Unit 10: Strategies to Subtract 3-Digit Numbers L1: Use Mental Math to Subtract 10 to 100
February 27 Memorial Day Holiday (no classes)	
Week 8 (27) (March 2 to 6) 3- Monthly Career Talk - College Prep 6- PSAT 8/9 System Installation and Practice Test	L2: Represent Subtraction with 3-Digit Numbers L3: Decompose One 3-Digit Number to Count Back L4: Count On to Subtract 3-Digit Numbers L5: Regroup Tens L6: Regroup Tens and Hundreds Review for exams
Week 9 (28) (March 9 to 13) 13 and 16- Third Quarter Exam (half day)	Exams

Fourth Quarter Tentative Course Content



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Week/Date	Topic/Projects/Assessments
Week 1 (29) (March 16 to 20) 16- Third Quarter Exam (half day) 16-20- Faculty & Staff Yearbook Photo 17- Fourth Quarter Begins 18-21- EARCOS Teachers' Conference 19- Lectio Divina and Feast of St. Joseph 20- Parents Learning Community Meeting 20- Kindilympics 20-House Movie Night and Club Fair	L7: Adjust Numbers to Subtract 3-Digit Numbers L8: Explain Subtraction Strategies L9: Solve Problems Involving Addition and Subtraction
<i>March 21 (Saturday) Spring Fair</i>	
Week 2 (30) (March 23 to 27) 23-27 Student Leaders Applicant Interviews 26- Annual Visit to World Religion Museum Gr. 11 27- Lower School Readers Theatre	Unit 11: Data Analysis L1: Understand Picture Graphs L2: Understand Bar Graphs L3: Solve Problems Using Bar Graphs
<i>March 30 to April 6 Easter/Spring Break</i>	
Week 3 (31) (April 7 to 10) 7- Spring University Fair 9- Easter Mass 9- Easter Egg Hunt for Lower School Students	L4: Collect Measurement Data L5: Understand Line Plots L6: Show Data on a Line Plot
Week 4 (32) (April 13 to 17) 13 Laudato Si Month Launching (During the Monday Assembly) 13-30 Laudato Si Month Activities 13-17- Class Photo Taking 17- AP Chinese/Japanese Practice Test	Unit 12: Geometric Shapes and Equal Shares L1: Recognize 2-Dimensional Shapes by Their Attributes L2: Draw 2-Dimensional Shapes from Their Attributes
Week 5 (33) (April 20 to 24) 20-24 Cultural Awareness Week / Art Exhibit / Earth Week 24- Music Recital 20-24 Student Council Campaign 20-24 AP Mock Exams	L3: Recognize 3-Dimensional Shapes by Their Attributes L4: Understand Equal Shares
Week 6 (34) (April 27 to 30) 27- Student Council Elections 27-30 Senior Project Presentations	L5: Relate Equal Shares L6: Partition a Rectangle into Rows and Columns



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28-30 Pre-Exam Days	
<i>May 1: Labor Day Public Holiday</i>	
Week 7 (35) (May 4 to 8) 4- May Crowning & Mother's Day Celebration (During the Monday Assembly) 4-14 Final Exams (K, Gr. 5, 8, & 12 Only) 4-15 AP Exams	Q4: Review for Exams
Week 8 (36) (May 11 to 15) 13 and 14- Fourth Quarter Exam—Undergraduate (half day) 14-16 Student Leaders Retreat Days	Quarter 4 Exams and Review
<i>May 15 Record Day (No Classes for students) Final Deliberation for Graduating/Promoting Classes</i>	
Week 9 (37) (May 18 to 22) 18- Gr. 5 Recollection & Mass 19- Gr. 8 Recollection & Mass 20- Gr. 12 Recollection 20- Baccalaureate Mass (Whole School) 18-21 WIDA Testing 19- Lower School Sports Day / Gr. 6 & 7 School Field Trip 19- Gr. 9 - 11 - "Senior Success Forum: Inspiring the Next Generation" 19-22 Student Clearance Days 21- Middle & High School Sports Day 21- High School Field Trip 22- House Culminating Activity 20-22 Final Deliberation for Non-Graduating Classes 22- Student Leaders One Day Recollection / Turn Over Ceremony	Quarter 4 Exams and End-of-the-Year Activities
Week 10 (38) (May 25 to 29) 25- Kindergarten Graduation/Gr. 5 Promotion 26- LS Field Trip 26- Gr. 8 Graduation and Gr. 12 Graduation 27- Pre-Kindergarten & Gr. 1 - 4, 6 & 7, 9-11 Recognition Last Day of School, Report Card Distribution, & Class Party (half day) 29- Last day for Teachers/Staff Meeting	Last week of school activities

"Kindling the Light of Faith, Hope, and Love: The Legacy of St. Dominic de Guzmán"



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