

Kolbe Academy Home School

GRADE TWO MATHEMATICS *MCP Math B*

TABLE OF CONTENTS

I. Syllabus	2
II. Daily Course Plan	
A. Quarter 1	4
B. Quarter 2	13
C. Quarter 3	21
D. Quarter 4	29
III. Math Drills	
A. Addition Drills	37
B. Subtraction Drills	41
IV. Quarterly Exams	
A. Quarter 1	
B. Quarter 2	
C. Quarter 3	
D. Quarter 4	
V. Quarterly Exam Answer Keys	
A. Quarter 1 Answer Key	
B. Quarter 2 Answer Key	
C. Quarter 3 Answer Key	
D. Quarter 4 Answer Key	

Resale & Copying Policy: This course plan and all accompanying materials are not intended for resale or copying. Copying represents copyright infringement, which is illegal. Regarding reselling the materials, Kolbe Academy relies upon the continued purchase of our course plans for financial stability. As a Catholic Apostolate, we ask you to refrain from reselling Kolbe's course plans. While we cannot stop you from copying or reselling this course plan, we do strongly implore you not to do so.

COURSE TITLE: Mathematics

COURSE TEXTS:

MCP Math B, 2005

MCP Math B Resource Manual, Optional

COURSE DESCRIPTION:

Grade Two mathematics continues the activities of first grade in the area of inductive and deductive activities. The book begins with review of concepts that the student has already learned. It is important that the student memorize all math facts. He should know all of the addition and subtraction facts; however, children have a tendency to forget them. Drill the student in the facts with flash cards, writing the facts, doing time tests, or something similar. Pages 37 & 39 of these course plans contain all 100 addition math facts, and pages 41 & 43 contain all 100 of the subtraction math facts. It is recommended that you copy them and use them as often as every day, if necessary, until the student has mastered all of the facts.

SCOPE AND SEQUENCE:

Quarter 1

1. Basic addition and subtraction facts through 18
2. Problem solving

Quarter 2

1. 3-digit place value
2. Time and money
3. Addition and subtraction, 2-digit numbers
4. Problem solving

Quarter 3

1. Addition and subtraction, 2 and 3-digit numbers
2. Adding and subtracting large numbers
3. Problem solving

Quarter 4

1. Geometry and fractions
2. Measurement
3. Multiplication through 5x5
4. Problem solving

COURSE OBJECTIVES

- ❖ mental activity of adding numbers without use of paper and pencil
- ❖ use of real objects for association of abstract principles
- ❖ all segments of problems written for the development of:
 - mental skills
 - finger dexterity

COURSE PLAN METHODOLOGY:

Kolbe Academy has worked diligently to create the best possible course plans with the home schooling family in mind. Remember, however, that our program is intended to be flexible. Per the principle of subsidiarity, these course plans are a **suggested** course of study. As the teacher, you should adapt and modify them to meet the individual learning needs of your child. **Do not feel obligated to follow these course plans exactly.**

In the course plans that follow, *Modern Curriculum Press Math Book B* is represented by the abbreviation **MCP**. Each weekly assignment is summarized in the first rows of the week's daily course plan along with the goals and notes for that week. The specific daily assignments for the student are outlined in the following lines indicated by the **DAY 1, DAY 2, DAY 3, and DAY 4** abbreviations. Parent daily guidelines are given to the right of the student assignments. Most families will use Days 1-4 as a Monday through Thursday schooling schedule. This leaves Friday open for review, catch-up, field trips, or other activities. A family's schedule can and should vary as needed.

A weekly grade book is included at the end of the week's course plan *as a convenience*. Parents should use the grade book only as a help to their homeschooling and not as a hindrance. It includes a cumulative list of written assignments from the week's course plan as well as space for additional assignments, if needed. **Kolbe Academy does not require that you keep record of all student work.** If you intend to report your student's work to Kolbe Academy for an official record, only one sample of written and graded work is required per quarter per course along with the signed and filled out report card. The weighting suggestion in the end of quarter grade book is there for *convenience* and may be modified as the parent deems fit. Please consult the welcome packet for a full tutorial on using the grade book.

This mathematics course contains 36 weeks broken into four 9-week quarters. Week 8 is considered a review week and week 9 is dedicated strictly to examination. Your student may not need all of Week 8 for review. You can use this time to catch up if necessary and then go over the subject matter. **If you intend to use the tests provided, look them over *before* teaching the subjects and make sure you review the material in the tests throughout the quarter.** Some children have a difficult time doing written exams, but it is important for them to learn how to take them. If your second grader does poorly on them, give them to him orally a couple of days after he has taken them and average the grades.

Finally, begin every class with a prayer. This is a good way to help the child memorize new prayers. Repeat the same ones every day until they are known. Be sure to explain the meanings of the prayers. Repetition in all areas of study is most beneficial.

◆◆◆ FIRST QUARTER ◆◆◆

WEEK 1				
Book	Weekly Breakdown	Goals and Notes for the Week		
MCP	Pages 1-12	The first ten pages of second grade math are a warm-up and review of previous material. The student should be able to complete the pages without counting on fingers or objects. However, the graphics can be used if necessary. If there is any hesitation with any of the facts, drill, drill, drill.		
Notes				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	MCP Do pages 1-3	<input type="checkbox"/>	The book begins with review of basics taught in first grade. It is very important that the student memorizes the addition and subtraction facts if he has not already mastered them. This should be done without the use of manipulatives as soon as possible.	
DAY 2	MCP Do pages 4-6	<input type="checkbox"/>	Remind the student that subtraction is just the opposite of addition.	
DAY 3	MCP Do pages 7-9	<input type="checkbox"/>	Review	
DAY 4	MCP Do pages 10-12	<input type="checkbox"/>	Review	
Week 1 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Pages 1-3	<input type="checkbox"/>			
Pages 4-6	<input type="checkbox"/>			
Pages 7-9	<input type="checkbox"/>			
Pages 10-12	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Week 1 Average	Add up column C & divide by number of included <input checked="" type="checkbox"/> assignments =			%

WEEK 2		
Book	Weekly Breakdown	Goals and Notes for the Week
MCP	Pages 13-24	Be sure the student has memorized perfectly all of the addition and subtraction facts through 10. Problem solving. Chapter 1 Test. Addition and subtractions for 11 & 12.
<div style="border: 1px solid black; padding: 5px;">Notes</div>		
Student Daily Assignments		Parent Daily Guidelines
DAY 1	MCP Do pages 13-14	<input checked="" type="checkbox"/> <p>If necessary spend extra time on word problems. Make sure there is a good understanding of them. For problem solving instruct the student to follow these steps and remind him every time there are word problems. Ask: "What is asked?" "What do you know?" "Do you add or subtract?" 1. How much do both cost? We know the mitt costs 4¢ and the butterfly costs 3 ¢. Do we add or subtract to find out the cost of both? When you need to find a total number, add.</p>
DAY 2	MCP Do pages 15-18	<input type="checkbox"/> <p>Chapter 1 Test. If the student has not mastered the addition and subtraction facts through 10, do not move ahead, but use flash cards, manipulatives, or whatever will help. Using a rewards chart can motivate a child to succeed. Pages 17 & 18 cover basic facts for 11 & 12. Display twelve items, legos, toothpicks, anything. Have the student count out ten and go through all of the addition and subtraction facts through ten. Add one and go through all of the facts for eleven. When there is a good understanding of eleven, add another and go through all of the facts for twelve. Do the work using the manipulatives if necessary. Doing "fact families" helps the student understand subtraction better. Fact family for 5, 6, & 11: $5+6=11$ so $6+5=11$; $11-6=5$ so $11-5=6$. $8+3=11$ so $3+8=11$; $11-8=3$ so $11-3=8$, etc. It is important that the student understands that subtraction is just the opposite of addition.</p>
DAY 3	MCP Do pages 19-22	<input type="checkbox"/> <p>Using a table to solve problems. Continue working on the memorization of the facts through 12 for the rest of the week using the manipulatives as before.</p>
DAY 4	MCP Do pages 23-24	<input type="checkbox"/> <p>Subtracting from minuends through 12. Remind the student that subtraction is the opposite of addition and if the addition facts are perfectly memorized, it should not be too difficult to do the subtraction.</p>

Week 2 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Pages 13-14	<input type="checkbox"/>			
Pages 15-18	<input type="checkbox"/>			
Pages 19-22	<input type="checkbox"/>			
Pages 23-24	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Week 2 Average	Add up column C & divide by number of included <input checked="" type="checkbox"/> assignments =			%

◆ COURSE PLAN ◆

WEEK 3				
Book	Weekly Breakdown	Goals and Notes for the Week		
MCP	Pages 25-34	Subtracting from 12 and less; problem solving; Chapter 2 Test; reading and writing number names through 19.		
Notes				
Student Daily Assignments		<input checked="" type="checkbox"/>	Parent Daily Guidelines	
DAY 1	MCP Do pages 25-27	<input type="checkbox"/>	Continue working on the memorization of the facts through 12 for the rest of the week using the manipulatives as before.	
DAY 2	MCP Do pages 28-30	<input type="checkbox"/>	It is suggested that you have nickels and pennies available for the student for pages 29 & 30. Many students work better with money when they have the "real thing". Explain that it takes five pennies to make one nickel.	
DAY 3	MCP Do pages 31-32	<input type="checkbox"/>	Chapter 2 Test. If the student has not completely memorized the addition and subtraction fact through 12, drill, drill, drill.	
DAY 4	MCP Do pages 33-34	<input type="checkbox"/>	Be able to recognize the names of numbers.	
Week 3 Grade Book				
Assignments	Include <input checked="" type="checkbox"/>	(A) Points Earned	(B) Possible Points	A/B x100 =% (C)
Pages 25-27	<input type="checkbox"/>			
Pages 28-30	<input type="checkbox"/>			
Pages 31-32	<input type="checkbox"/>			
Pages 33-34	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Other:	<input type="checkbox"/>			
Week 3 Average	Add up column C & divide by number of included <input checked="" type="checkbox"/> assignments =			%