

Grade 1

Pacing 2009-2010

MAP²D Grade 1 Lesson Sequence and Pacing

The Grade 1 standards are taught in a similar order as the standards in the grades 2-5 MAP²D program. That is, Number Sense is taught first, followed by the remaining strands. The pacing allows teachers to teach concepts and skills to mastery. A time frame is given for each trimester. Teachers may change the order of the lessons and units within a trimester, so long as students are learning all the content in the trimester before the trimester exam is administered. Teachers will determine how many days to spend on each lesson to best meet the needs of their students. “It’s All About the Facts” lessons appear in the boxed area on the pacing chart.

What’s Different this Year?

In response to teacher feedback, Chapter 9 Data and Graphs has been moved from Trimester 1 to Trimester 3 creating extra time to teach Number Sense.

Trimester 1

Two major topics will be taught in this trimester along with beginning addition facts memorization through implementation of “It’s All About the Facts” strategies. Number Sense will be taught first because it is the highest priority at all elementary grade levels. Number Sense will be followed by Measurement and Geometry, specifically Solid Planes and Figures, and Fractions. Although Fractions is not found in the Grade 1 Content Standards, we believe that students should begin to conceptualize foundational aspects of fractions in order for them to demonstrate proficiency in second grade. Therefore, in order to support this effort, supplemental materials are available for teachers on the Math intranet under Instructional Tools. These are optional for teacher use. Teachers may choose to administer an additional SBA for Addition in Trimester 1 in order to have three SBAs for grading calculation. This decision should be agreed upon by all grade 1 teachers at the site.

Trimester 2

Three major topics will be taught in this trimester along with the application of basic addition facts through the implementation of “It’s All About the Facts” multi-digit addition strategies. Measurement and Geometry concepts of Length, Weight, and Capacity, Time and the Number Sense concept of Counting Coins will be covered.

Trimester 3

Two major topics will be taught in this trimester along with the subtraction strategies used through “It’s All About the Facts”. Statistics, Data Analysis and Probability concepts of reading and creating charts and graphs and the Algebraic Functions of Problem Solving will be covered. Teachers may choose to administer an additional SBA for Subtraction in Trimester 3 in order to have three SBAs for grading calculation. This decision should be agreed upon by all grade 1 teachers at the site.

**Grade 1 MAP²D Pacing
Traditional Schedule
2009 - 2010**

9/9 -9/11: Pre-Assessment

- Writing numerals in 100s chart
- Writing numerals by 10s
- Writing numerals by 5s
- Listen to students rote count individually
- *Supporting lessons: Chapter 12 Number Patterns 12.2, 12.3, 12.4, 12.5 (if necessary)

9/21-10/2: IAATF Introduce +0, +1 and "doubles" (5.4)

**9/14 – 10/9 Chapter 1 Number Sense
Chapter 10 Place Value to 100
Chapter 11 Comparing and Ordering**

- 1.3 Compare Numbers to 20** pgs. 9A-10 (NS 1.2)
Teach vocabulary *greater than/less than*. *Introduce $<$, $>$ symbols along with vocabulary. Use manipulatives during direct instruction. Use Practice/Homework as needed.
- 1.4 Order Numbers to 20** pgs. 11A-12 (NS 1.2)
Teach vocabulary *least/greatest* and relate it to Lesson 1.3 vocabulary of *less than/greater than*. Use manipulatives during direct instruction (unifix rods of 10, base 10 blocks). Try to compare numbers greater than 20. Use Practice/Homework as needed.
- 10.1* Make 10 and More** pgs. 211A-212 (NS 1.4)
10.2* Tens pgs. 213A-214 (NS 1.4)
10.3* Tens and Ones to 50 pgs. 215A-216 (NS 1.4)
10.4* Tens and Ones to 100 pgs. 217A-218 (NS 1.4)
 *LESSONS CAN BE COMBINED
 Day 1: Teach vocabulary *digit/place value*
 Use manipulatives during direct instruction.
 Days 2-4: Review vocabulary & continue to provide practice with manipulatives as needed. Continue to apply vocabulary from Chapter 1. Utilize wbk. pgs. & Practice/Homework as needed.
- 10.5 Ways to Expand Numbers** pgs. 219A-220 (NS 1.4)
 This lesson can be taught simultaneously with the lessons above.
- 11.1* Greater Than** pgs. 231A-232 (NS 1.2)
11.2* Less Than pgs. 233A-234 (NS 1.2)
11.3* Use Symbols to Compare pgs. 235A-236 (NS 1.2)
- } *THESE LESSONS CAN BE USED
WITH 1.3 & 1.4 OR AS A REVIEW
- 11.4 One More, One Less** pgs.237A-238 (NS 2.3)
11.5 Ten More, Ten Less pgs. 239A-240 (NS 2.3)
11.6 Order on a Number Line pgs. 241A-242 (NS 2.3)
11.7 Order 3 Numbers pgs. 243A-244 (NS 1.2)

September 2009				
<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
	1	2	3	4
7	8 <small>Teachers' First Day</small>	9 <small>Students' First Day</small>	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

10/1-10/2: Continue with +0, +1, and “doubles”

2.4 Add Zero pgs. 29A-30 (NS 2.5)

2.5 Add In Any Order pgs. 31A-32 (NS 2.5)

10/5 – 12/18: Trimester 1 of IAATF, Oral Memorization

25 minutes of IAATF practice daily
using pocket chart and number cards,
Chapters 2, 5 and 6 support basic facts

REMINDER: Optional SBA NS Addition is available to administer during this trimester. Each school will need to agree as a grade level whether or not to administer this optional SBA. This SBA can be administered anytime during the trimester at each teacher’s discretion.

10/1-10/16: Continue to use Chapters 1, 10 & 11 as needed.

❖ **10/15-10/16: Administer SBA #1 NS: Number Sense**
Covering Chapters 1, 10, 11

10/19-11/13: Chapter 18 Solid and Plane Figures

*****Supplement-Fractions**

18.1 Solid Figures pgs. 381A-382 (MG 2.2)

18.2* Sort Solids pgs. 383A-384 (MG 2.2)

18.3* Classify Solids pgs. 385A-386 (MG 2.2)

18.4 Plane Figures on Solids pgs. 387A-388 (MG 2.1)

18.6 Classify Plane Figures pgs. 391A-392 (MG 2.2)

} Lessons can be combined

*****Supplement Fractions Instruction, supporting NS 4.0 (Grade 2)**

Cover the following: equal parts, one half, one third, one fourth

Support materials for Fractions are available on the math intranet under Instructional Tools.

October 2009

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

IAATF: Continue Oral Memorization practice 25 minutes daily

Week of 11/16-11/25:

- Introduce working form 1 digit +1 digit (Support: 2.7 pgs. 35 & 36)

REMINDER: Optional SBA #3 NS Addition is available to administer during this trimester. Each school will need to agree as a grade level whether or not to administer this optional SBA. This SBA can be administered anytime during the trimester at each teacher's discretion.

11/2-11/13: Continue with Supplemental Fractions Instruction
Cover equal parts, one half, one third, one fourth

❖ **11/12-11/13: Administer SBA #2 MG/NS:**
Solid and Plane Figures & Fractions

Covering Chapter 18
Fractions Instruction NS 4.2

11/16-11/19: Review Trimester 1 Content
Administer Trimester 1 Practice and reteach accordingly

❖ **11/20-11/25: Administer Trimester 1 Exam**

November 2009

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30				

Trimester 2 Monday, 11/30/09

IAATF: Continue 25 minutes daily practice and application

Week of 11/30-12/4:

- Introduce how to write 2 digits + 1 digit addition problems in working form without regrouping.

Week of 12/7:

- Continue to write 2 digits + 1 digit problems in working form. Introduce regrouping using IAATF strategies.

Week of 12/14:

- Continue practice on 2 digits + 1 digit problems with and without regrouping and continue oral memorization practice.

**Chapters 2, 5, 6, 13, & 23 (support IAATF addition)
13.4 Add 3 Numbers pgs. 285-286 (NS 2.7)**

**11/30-12/18: Chapter 21 Length
Chapter 22 Weight and Capacity**

21.2 Use Non-Standard Units pgs. 447A-448 (MG 1.1)

21.4 Make a Nonstandard Ruler pgs. 451A-452 (MG 1.1)

***This can be used to introduce the concept of measuring with a ruler to the inch.**

***“Think Math! Investigate the Chapter Concept: Inches” TE pg. 443F**

Supplement with measuring activities using a ruler.

22.1 Use a Balance pgs. 463A-464 (MG 1.1)

Introduce the academic vocabulary of *lighter/heavier*.

22.2 Compare Weight pgs. 465A-466 (MG 1.1)

***This can be used to introduce concept of Capacity.**

***“Think Math! Investigate the Chapter Concept: Capacity” TE pg. 461F**

Introduce academic vocabulary words of *more/less, most/least*.

22.5 Compare Capacity pgs. 471A-472 (MG 1.1)

**❖ 12/17-12/18: Administer SBA #4 MG: Length, Weight & Capacity
Covering Chapters 21 & 22**

December 2009

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	

IAATF: Continue 25 minutes daily practice and application

Week of 1/4:

- Review 2 digits + 1 digit in working form.
- Introduce 2 digits + 2 digits addition problems without regrouping, sums 99 or less.

Week of 1/11:

- Review/discuss 100's place and numbers greater than 99, & how to read numbers greater than 99.
- Introduce 2 digits + 2 digits addition problems with regrouping sums greater than 9 in the ten's column.

Week of 1/18:

- Continue to practice 2 digits + 2 digits addition with regrouping.

Week of 1/25:

- Continue practice with 2 digits + 2 digits addition with and without regrouping.

Chapters 13 & 23, Chapters 2, 5, & 6 as needed

*Review 13.4 Add 3 Addends pgs. 285-286 (NS 2.7) as needed

1/11 – 2/5: Chapter 16 Counting Coins

- 16.1 Pennies and Nickels pgs. 339A-340 (NS 1.5)
- 16.2 Pennies and Dimes pgs. 341A-342 (NS 1.5)
- 16.3 Count Collections pgs. 343A-344 (NS 1.5)
- 16.4 Quarters pgs. 345A-346 (NS 1.5)
- 16.5 Make Equal Amounts pgs. 347A-348 (NS 1.5)
- 16.6 Act It Out pgs. 349A-350 (NS 1.5)

January 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

IAATF: Continue 25 minutes daily practice and application

Week of 2/1:

- Introduce 3 digits + 1 digit and 3 digits + 2 digits addition without regrouping.

Week of 2/8:

- Introduce 3 digits + 1 digit and 3 digits + 2 digits addition with regrouping.

Week of 2/15:

- Introduce 3 digits + 3 digits addition without regrouping.

Week of 2/22:

- Introduce 3 digits + 3 digits addition with regrouping.

Continue: 1/11 – 2/5 Chapter 16 Counting Coins

- 16.1 Pennies and Nickels pgs. 339A-340 (NS 1.5)
- 16.2 Pennies and Dimes pgs. 341A-342 (NS 1.5)
- 16.3 Count Collections pgs. 343A-344 (NS 1.5)
- 16.4 Quarters pgs. 345A-346 (NS 1.5)
- 16.6 Act It Out pgs. 349A-350 (NS 1.5)

❖ 2/4-2/5: Administer SBA #5 NS: Counting Coins
Covering Chapter 16

2/9 – 2/23 Chapter 17 Time

- 17.1 Time to the Hour pgs. 361A-362 (MG 1.2)
- 17.2 Time to the Half Hour pgs. 363A-364 (MG 1.2)
- 17.3 Time to the Hour and Half Hour pgs. 365A-366 (MG 1.2)

❖ 2/22-2/23: Administer SBA #6 MG: Time
Covering Chapter 17

2/24-3/5: Review Trimester 2 Content

Administer Trimester 2 Practice and reteach accordingly

February 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26

IAATF: Subtraction Strategies

Periodically review multi-digit addition with regrouping.

Week of 3/1:

- Continue to practice 3 digits + 3 digits addition with regrouping.

Week of 3/8:

- Continue with above addition practice.

Trimester 3 Monday, 3/15/10

3/15-4/2: Begin subtraction strategies

Chapters 3 & 7

Chapters 4, 8 & 14

Chapter 15:

15.1 Fact Families to 20 pgs. 217A-218 (NS 2.1)

15.2 Missing Numbers pgs. 319A-320 (NS 2.2)

Week of 3/15:

- Introduce the 4 Golden Subtraction Rules (4GSR)

Week of 3/22:

- Introduce Fact Families for 2's
2,3,5/ 2,4,6/ 2,2,4

Week of 3/29-4/2:

- Continue to introduce Fact Families for 2's
2,5,7/ 2,6,8/ 2,7,9/ 2 8,10/ 2,9,11

3/1-3/5: Continue review for Trimester 2 Content

Administer Trimester 2 Practice and reteach accordingly

❖ 3/8-3/12: Administer Trimester 2 Exam

March 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

IAATF: Subtraction Strategies**Periodically review multi-digit addition with regrouping****Week of 3/29-4/2:**

- Continue to introduce Fact Families for 2's
2,5,7/ 2,6,8/ 2,7,9/ 2 8,10/ 2,9,11

Week of 4/5: Spring Break**Week of 4/12:**

- Introduce Fact Families for 3's
3,4,7/ 3,5,8/ 3,6,9/ 3,7,10

Week of 4/19:

- Continue Fact Families for 3's
3,8,11/ 3,9,12/ 3,3,6
- Review Fact Families for 2's and 3's

Week of 4/26:

- Introduce Fact Families for 4's
4,5,9/ 4,6,10/ 4,7,11/ 4,8,12/ 4,9,13/ 4,4,8

Continue: 3/15-4/2: Chapters 3, 7, 14 and Chapters 4, 8, 15**4/12-4/23: Chapter 9 Data and Graphs**

- 9.3 Read Picture Graphs pgs. 187A-188 (PS 1.2)
 9.4 Make Picture Graphs pgs. 189A-190 (PS 1.2)
 9.5 Read Tally Charts pgs. 191A-192 (PS 1.2)
 9.6 Make Tally Charts pgs. 193A-194 (PS 1.2)
 9.7 Read Bar Graphs pgs. 195A-196 (PS 1.2)
 9.8 Make Bar Graphs pgs. 197A-198 (PS 1.2)
 9.9* Make Graph pgs. 199A-204 (PS 1.1, MR 1.1, MR 2.2)
 *Supplement, Problem Solving Worksheet 9.9

❖ 4/22-4/23: Administer SBA #7 SDAP: Data & Graphs
 Covering Chapter 9

4/26-5/14: Problem Solving

- 2.8 Make a Model pgs. 39A-40 (NS 2.5, MR 2.2)
 3.8 Make a Model pgs. 63A-64 (NS 2.5, MR 1.2)
 *See May calendar for remaining Problem Solving lessons.

April 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

IAATF: Subtraction Strategies

Periodically review multi-digit addition with regrouping.

Week of 5/3:

- Introduce Fact Families for 5's
5,6,11/ 5,7,12/ 5,8,13/ 5,9,14/ 5,5,10

Week of 5/10:

- Introduce Fact Families for 6's & 7's
6,7,13/ 6,8,14/ 6,9,15/ 6,6,12/ 7,7,14

Week of 5/17:

- Introduce Fact Families for 7's, 8's, & 9's
7,8,15/ 7,9,16/ 8,9,17/ 8,8,16/ 9,9,18

Week of 5/24:

- Review all Fact Families
- Continue to review applications for addition

REMINDER: Optional SBA # 9 NS Subtraction is available to administer during this trimester. Each school will need to agree as a grade level whether or not to administer this optional SBA. This SBA can be administered anytime during the trimester at each teacher's discretion.

Continue: 4/26-5/14 Problem Solving

- 2.8 Make a Model pgs. 37A-40 (NS 2.5, MR 2.2)
- 3.8 Make a Model pgs. 63A-64 (NS 2.5, MR 1.2)
- 7.5 Write a Number Sentence pgs. 143A-144 (AF 1.1, 1.2, MR 2.2)
- 13.6 Write a Number Sentence pgs. 289A-299 (AF 1.2, MR 2.2)
- 4.5 Choose the Operation pgs. 81A-182 (AF 1.3, 1.2, MR 2.2)
- 15.6 Create Addition & Subtraction Problems pgs. 327A-328 (AF 1.1, 1.3)
- 15.7 Choose the Operation pgs. 329A-330 (AF 1.1, 1.2, MR 1.1, 2.1.,2.2)
- 11.8 Use a Table pgs. 245A-246 (NS 1.2, MR 2.0-2.2)
- 14.5 Use Data From a Table pgs. 307A-308 (AF 1.1, 1.2)
- 19.4 Number Patterns pgs. 411A-412 (PS 2.1)

❖ 5/13-5/14: Administer SBA #8 AF: Problem Solving

5/17-5/28: Review Trimester 3 Content
Administer Practice EOC and reteach accordingly

May 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28
31				

6/1-6/4:

❖ 6/1-6/4: Administer End of Course Exam

6/7-To End of Year

Reteach accordingly

June 2010

<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>
	1	2	3	4
7	8	9	10	11
14	15	16	17 Students' Last Day	18 Teachers' Last Day
21	22	23	24	25
28	29	30		