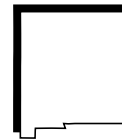


11 Algebra: Investigating Integers



Chapter Pacing Guide

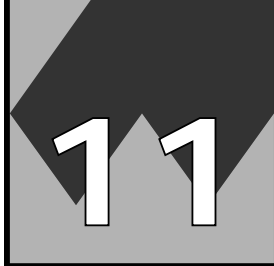
Please note that this pacing guide is based upon completing the entire text in 165 classes, approximately 50 minutes each. More time can be allotted for this chapter if you do not plan to teach the entire text.

<i>Day (Standard)</i>	<i>Day (Honors)</i>	<i>Lesson</i>	<i>Title</i>
1	1	*Chapter Project	Theme: Civics You Win Some, You Lose Some
2	2	11-1	Integers
3 & 4	3	11-2	Comparing and Ordering Integers
5 & 6		*11-3A	<small>HANDS-ON LAB</small> Cooperative Learning Zero Pairs
	4	11-3	Adding Integers
7	5	11-4	Subtracting Integers
8	6	11-5	Multiplying Integers
9	7	11-6A	<small>THINKING LAB</small> Problem Solving Work Backward
10	8	11-6	Dividing Integers
11	9	11-7	Integration: Geometry The Coordinate System
12 & 13		*11-8A	<small>HANDS-ON LAB</small> Cooperative Learning Patty Paper Transformations
	10 & 11	11-8	Integration: Geometry Graphing Transformations
14	12	Review: Study Guide and Assessment	
15	13	Assessment: Chapter Test	

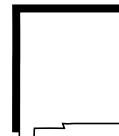
* Optional

Chapter Resources

<p>Meeting Individual Needs Spanish Study Guide and Assessment Study Guide and Practice Workbook</p>	<p>Technology Electronic Teacher's Classroom Resources (ETCR) www.glencoe.com/sec/math/mac/mathnet</p>
<p>Interactive Mathematics: Activities and Investigations Units 3 and 15</p>	<p>Applications Family Letters and Activities, pp. 21-22 Spanish Family Letters and Activities, pp. 21-22</p>



Chapter Project (pp. 432-433)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

- _____ Show changes in numbers of members in the House of Representatives for each state.
- _____ Make a line plot of the changes.

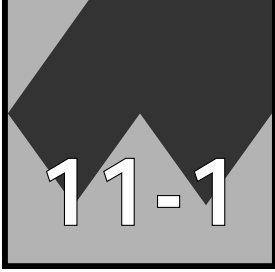
Theme: Civics

- _____ Chapter Project, *SE*, p. 433
- _____ Chapter 11 Notes, *TWE*, p. 432
- _____ Question of the Day, *TWE*, p. 432
- _____ ⇨ *Investigations and Projects Masters*, pp. 57-60

Homework Assignments

- _____ p. 436, Working on the Chapter Project, Exercise 41
- _____ p. 444, Working on the Chapter Project, Exercise 34
- _____ p. 461, Working on the Chapter Project, Exercise 34
- _____ p. 471, Completing the Chapter Project, Alternative Assessment

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 434-436)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Identify, name, and graph integers.

NCTM Standards:

1-7, 9-13

New Mexico Mathematics Performance Standards

Grades 5-8:

2-A-3

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 434
- _____ ⇨ Transparency 11-1A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 434
- _____ Cross-Curriculum Cue, *TWE*, p. 434

2 TEACH

- _____ ⇨ Transparency 11-1B
- _____ Mastering Basic Skills, *TWE*, p. 435
- _____ In-Class Examples, *TWE*, p. 435
- _____ ⇨ *Study Guide Masters*, p. 76
- _____ Reteaching the Lesson, *TWE*, p. 435
- _____ ⇨ *CD-ROM Program*, Resource Lesson 11-1

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 435

Homework Assignments (p. 436)

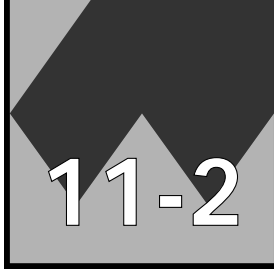
- _____ Core: 15-39 odd, 42-47 _____ Enriched: 14-38 even, 39, 40, 42-47
- _____ Optional: 41 (Working on the Chapter Project)
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 585
- _____ ⇨ *Practice Masters*, p. 76

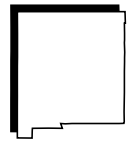
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 436
- _____ Extending the Lesson, *TWE*, p. 436
- _____ ⇨ *Enrichment Masters*, p. 76

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Lesson Planning Guide (pp. 437-439)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Compare and order integers.

NCTM Standards: 1-7, 9, 10
New Mexico Mathematics Performance Standards Grades 5-8: 6-B-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 437
- _____ ⇨ Transparency 11-2A
- _____ Multiple Learning Styles, Visual/Spatial, *TWE*, p. 437

2 TEACH

- _____ ⇨ Transparency 11-2B
- _____ Reading Mathematics, *TWE*, p. 437
- _____ In-Class Examples, *TWE*, p. 438
- _____ ⇨ *Study Guide Masters*, p. 77
- _____ Reteaching the Lesson, *TWE*, p. 438
- _____ Error Analysis, *TWE*, p. 438
- _____ ⇨ *CD-ROM Program*, Resource Lesson 11-2, Interactive Lesson 11-2

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 438

Homework Assignments (pp. 438-439)	
_____ Core: 9-23 odd, 25-28	_____ Enriched: 10-22 even, 23-28
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 585
- _____ ⇨ *Practice Masters*, p. 77
- _____ ⇨ *School to Career Masters*, p. 11

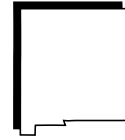
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 439
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz A, p. 295
- _____ Extending the Lesson, *TWE*, p. 439
- _____ ⇨ *Enrichment Masters*, p. 77

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Lesson Planning Guide (p. 440)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Model integers using counters.

NCTM Standards: 1-3, 5-9
New Mexico Mathematics Performance Standards Grades 5-8: 5-B-1

MANAGEMENT

- _____ Getting Started, *TWE*, p. 440
- _____ ⇨ *Hands-On Lab Masters*, p. 6: counters;
p. 9: integer mat
- _____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Lesson 11-3A
- _____ ⇨ *Overhead Manipulative Resources*: counters, integer mat

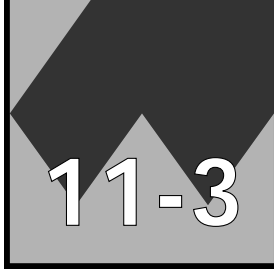
ASSESS

- _____ *TWE*, p. 440
- _____ ⇨ *Hands-On Lab Masters*, p. 64

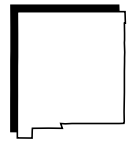
Class Activity (p. 440)
_____ All: 1-7
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 440

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 441-444)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Add integers using models.

NCTM Standards: 1-7, 9
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1, 7-A-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 441
- _____ ⇨ Transparency 11-3A
- _____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 441

2 TEACH

- _____ ⇨ Transparency 11-3B
- _____ Using Problem Solving, *TWE*, p. 442
- _____ In-Class Examples, *TWE*, p. 442
- _____ ⇨ *Study Guide Masters*, p. 78
- _____ Reteaching the Lesson, *TWE*, p. 443
- _____ Error Analysis, *TWE*, p. 443
- _____ ⇨ *CD-ROM Program*, Resource Lesson 11-3, Interactive Lesson 11-3
- _____ ⇨ *Interactive Mathematics Tools Software*

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 443

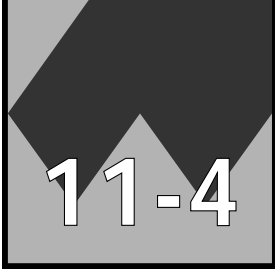
Homework Assignments (pp. 443-444)	
_____ Core: 11-33 odd, 35-39	_____ Enriched: 12-30 even, 32, 33, 35-39
_____ Optional: 34 (Working on the Chapter Project)	
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 586
- _____ ⇨ *Practice Masters*, p. 78
- _____ ⇨ *Classroom Games*, pp. 29-32

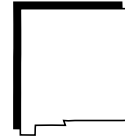
4 ASSESS

- _____ Let the Games Begin, *SE*, p. 444
- _____ Closing Activity, Modeling, *TWE*, p. 444
- _____ Extending the Lesson, *TWE*, p. 444
- _____ ⇨ *Enrichment Masters*, p. 78

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Lesson Planning Guide (pp. 445-448)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Subtract integers using models.

NCTM Standards:

1-7, 9, 10, 12

New Mexico Mathematics Performance Standards

Grades 5-8:

6-A-1, 6-C-1, 7-A-1

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 445

_____ ⇨ Transparency 11-4A

_____ Motivating the Lesson, Problem Solving, *TWE*, p. 445

2 TEACH

_____ ⇨ Transparency 11-4B

_____ Using Discussion, *TWE*, p. 446

_____ In-Class Examples, *TWE*, p. 446

_____ ⇨ *Study Guide Masters*, p. 79

_____ Reteaching the Lesson, *TWE*, p. 447

_____ Error Analysis, *TWE*, p. 447

_____ ⇨ *CD-ROM Program*, Resource Lesson 11-4, Interactive Lesson 11-4

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, p. 447

Homework Assignments (p. 448)

_____ Core: 9-23 odd, 25-28

_____ Enriched: 10-22 even, 23-28

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 586

_____ ⇨ *Practice Masters*, p. 79

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 448

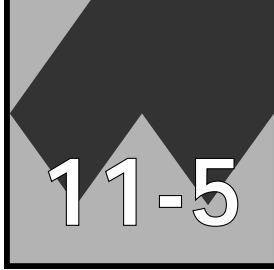
_____ ⇨ *Assessment and Evaluation Masters*, Mid-Chapter Test, p. 294

_____ ⇨ *Assessment and Evaluation Masters*, Quiz B, p. 295

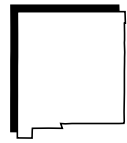
_____ Extending the Lesson, *TWE*, p. 448

_____ ⇨ *Enrichment Masters*, p. 79

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Lesson Planning Guide (pp. 449-453)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Multiply integers using models.

NCTM Standards: 1-9, 13
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1, 7-A-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 449
- _____ ⇨ Transparency 11-5A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 449
- _____ Multiple Learning Styles, Interpersonal, *TWE*, p. 449

2 TEACH

- _____ ⇨ Transparency 11-5B
- _____ Thinking Algebraically, *TWE*, p. 450
- _____ In-Class Examples, *TWE*, p. 450
- _____ ⇨ *Study Guide Masters*, p. 80
- _____ Reteaching the Lesson, *TWE*, p. 451
- _____ ⇨ *CD-ROM Program*, Resource Lesson 11-5, Interactive Lesson 11-5

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, p. 451

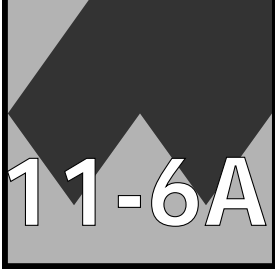
Homework Assignments (pp. 451-452)	
_____ Core: 9-23 odd, 25-28	_____ Enriched: 10-22 even, 23-28
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 586
- _____ ⇨ *Practice Masters*, p. 80
- _____ ⇨ *Science and Mathematics Lab Manual*, pp. 89-92
- _____ School to Career Activity, *SE*, p. 453

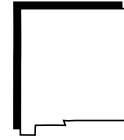
4 ASSESS

- _____ Closing Activity, Writing, *TWE*, p. 452
- _____ Extending the Lesson, *TWE*, p. 452
- _____ ⇨ *Enrichment Masters*, p. 80
- _____ Mid-Chapter Self Test, *SE*, p. 453

KEY	<i>SE</i> = Student Edition	<i>TWE</i> = Teacher's Wraparound Edition	⇨ = Other Program Components
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Lesson Planning Guide (pp. 454-455)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Solve problems by working backward.

1 FOCUS

_____ Getting Started, *TWE*, p. 454

2 TEACH

_____ In-Class Examples, *TWE*, p. 454

_____ Reteaching the Lesson, *TWE*, p. 454

3 PRACTICE/APPLY

_____ Check for Understanding, *TWE*, p. 455

NCTM Standards:

1-9

New Mexico Mathematics Performance Standards

Grades 5-8:

1-A-1, 7-B-1

Homework Assignments (p. 455)

_____ All: 4-14

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 587

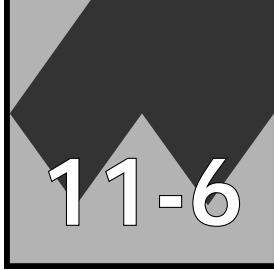
_____ Mixed Problem Solving, *SE*, pp. 593-594

4 ASSESS

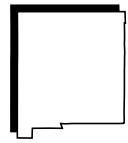
_____ Closing Activity, Writing, *TWE*, p. 455

_____ Extending the Lesson, *TWE*, p. 455

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Lesson Planning Guide (pp. 456-458)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Divide integers using models and patterns.

NCTM Standards: 1-10, 12
New Mexico Mathematics Performance Standards Grades 5-8: 6-C-1, 7-A-1

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 456
- _____ ⇨ Transparency 11-6A
- _____ Motivating the Lesson, Problem Solving, *TWE*, p. 456

2 TEACH

- _____ ⇨ Transparency 11-6B
- _____ Using Connections, *TWE*, p. 456
- _____ In-Class Examples, *TWE*, p. 457
- _____ ⇨ *Study Guide Masters*, p. 81
- _____ Reteaching the Lesson, *TWE*, p. 457
- _____ ⇨ *CD-ROM Program*, Resource Lesson 11-6

3 PRACTICE/APPLY

- _____ Check for Understanding, *SE*, pp. 457-458

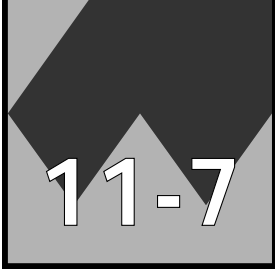
Homework Assignments (p. 458)	
_____ Core: 9-23 odd, 25-28	_____ Enriched: 10-22 even, 23-28
_____ Alternate Assignment: _____	

- _____ Extra Practice, *SE*, p. 587
- _____ ⇨ *Practice Masters*, p. 81
- _____ ⇨ *Technology Masters*, Calculator Activity, p. 21
- _____ ⇨ *Diversity Masters*, p. 11

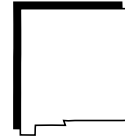
4 ASSESS

- _____ Closing Activity, Modeling, *TWE*, p. 458
- _____ ⇨ *Assessment and Evaluation Masters*, Quiz C, p. 296
- _____ Extending the Lesson, *TWE*, p. 458
- _____ ⇨ *Enrichment Masters*, p. 81

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Lesson Planning Guide (pp. 459-461)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Graph ordered pairs of numbers on a coordinate grid.

NCTM Standards:

1-10, 12, 13

New Mexico Mathematics Performance Standards

Grades 5-8:

4-D-1, 5-D-1, 12-B-1

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 459

_____ ⇨ Transparency 11-7A

_____ Motivating the Lesson, Communication, *TWE*, p. 459

2 TEACH

_____ ⇨ Transparency 11-7B

_____ Reading Mathematics, *TWE*, p. 459

_____ Multiple Learning Styles, Kinesthetic, *TWE*, p. 459

_____ In-Class Examples, *TWE*, p. 460

_____ ⇨ *Study Guide Masters*, p. 82

_____ Reteaching the Lesson, *TWE*, p. 460

_____ ⇨ *CD-ROM Program*, Resource Lesson 11-7, Interactive Lesson 11-7

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, p. 460

Homework Assignments (p. 461)

_____ Core: 11-33 odd, 35-39

_____ Enriched: 12-32 even, 33, 35-39

_____ Optional: 34 (Working on the Chapter Project)

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 587

_____ ⇨ *Practice Masters*, p. 82

_____ ⇨ *Hands-On Lab Masters*, p. 79

_____ ⇨ *Technology Masters*, Graphing Calculator Activity, p. 22

4 ASSESS

_____ Closing Activity, Speaking, *TWE*, p. 461

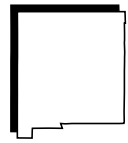
_____ Extending the Lesson, *TWE*, p. 461

_____ ⇨ *Enrichment Masters*, p. 82

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇨ = Other Program Components



Lesson Planning Guide (pp. 462-463)



Teacher's Name _____ Dates _____
Grade _____ Class _____ M Tu W Th F

Objectives

_____ Find transformations by using patty paper.

MANAGEMENT

_____ Getting Started, *TWE*, p. 462

ASSESS

_____ *TWE*, p. 463

_____ ⇔ *Hands-On Lab Masters*, p. 65

NCTM Standards: 1-3, 8, 12
New Mexico Mathematics Performance Standards Grades 5-8: 1-B-2, 2-A-1, 4-A-2, 8-C-1, 8-C-2, 8-F-1, 9-C-2

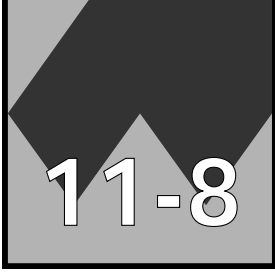
Class Activity (pp. 462-463)

_____ All: 1-5

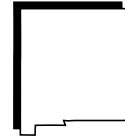
_____ Alternate Assignment: _____

_____ Math Journal, *TWE*, p. 463

KEY SE = Student Edition TWE = Teacher's Wraparound Edition ⇔ = Other Program Components



Lesson Planning Guide (pp. 464-467)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Objectives

_____ Graph transformations on a coordinate grid.

NCTM Standards:

1-9, 12, 13

New Mexico Mathematics Performance Standards

Grades 5-8:

1-B-1, 1-B-2, 2-A-1, 5-D-1,
8-B-1, 8-C-1, 8-F-1, 9-C-2

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 464

_____ ⇨ Transparency 11-8A

_____ Motivating the Lesson, Hands-On-Activity, *TWE*, p. 464

2 TEACH

_____ ⇨ Transparency 11-8B

_____ Using the Mini-Lab, *TWE*, p. 465

_____ ⇨ *Teacher's Guide for Overhead Manipulative Resources*, Mini-Lab for Lesson 11-8

_____ In-Class Examples, *TWE*, p. 465

_____ ⇨ *Study Guide Masters*, p. 83

_____ Reteaching the Lesson, *TWE*, p. 466

_____ Error Analysis, *TWE*, p. 466

_____ ⇨ *CD-ROM Program*, Resource Lesson 11-8

3 PRACTICE/APPLY

_____ Check for Understanding, *SE*, pp. 466-467

Homework Assignments (p. 467)

_____ Core: 9-17 odd, 19-22

_____ Enriched: 8-16 even, 17-22

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 588

_____ ⇨ *Practice Masters*, p. 83

_____ Family Activity, *SE*, p. 467

4 ASSESS

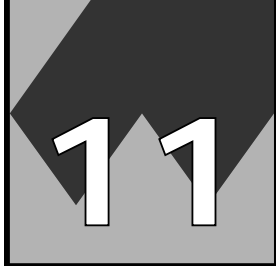
_____ Closing Activity, Speaking, *TWE*, p. 467

_____ ⇨ *Assessment and Evaluation Masters*, Quiz D, p. 296

_____ Extending the Lesson, *TWE*, p. 467

_____ ⇨ *Enrichment Masters*, p. 83

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Review and Assessment (pp. 468-473)



Teacher's Name _____ Dates _____

Grade _____ Class _____
Review M Tu W Th F
Testing M Tu W Th F

_____ Study Guide and Assessment, *SE*, pp. 468-471

_____ Standardized Test Practice, *SE*, pp. 472-473

_____ Chapter Test, *SE*, p. 605

⇨ **Assessment and Evaluation Masters (pp. 281-299)**

Multiple-Choice Tests

_____ Form 1A, 1B, or 1C, pp. 281-286

_____ Standardized Test Practice, pp. 297-298

Free-Response Tests

_____ Form 2A, 2B, or 2C, pp. 287-292

_____ Performance Assessment, p. 293

_____ Cumulative Review, p. 299

_____ ⇨ *MindJogger Videoquizzes*, Chapter 11

_____ ⇨ *Test and Review Software*

_____ ⇨ *CD-ROM Assessment Game*

_____ ⇨ *State Test Preparation CD-ROM*

KEY *SE* = Student Edition *TWE* = Teacher's Wraparound Edition ⇨ = Other Program Components