

10-1 Lesson Planning Guide (pp. 486–489)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 10-1: Display and interpret data in stem-and-leaf plots.
- _____ **South Carolina Math Curriculum Standards, Grade 8: DAP I.B.3.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 5-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 486
- _____ ⇨ Transparency 10-1A
- _____ Motivating the Lesson, Hands-On Activity, *TWE*, p. 486

2 TEACH

- _____ In-Class Examples, *TWE*, p. 487
- _____ ⇨ Transparency 10-1B
- _____ Reteaching, Using Manipulatives, *TWE*, p. 487
- _____ ⇨ Study Guide Masters, p. 81
- _____ Alternative Teaching Strategies, Student Diversity, *TWE*, p. 486
- _____ ⇨ Graphing Calculator Masters, p. 10

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 488
- _____ Error Analysis, *TWE*, p. 488

Homework Assignments

- _____ Core: 9–19 odd, 20–24
- _____ Enriched: 10–14 even, 15–24
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 764
- _____ ⇨ Practice Masters, p. 81
- _____ ⇨ Real-World Applications, 22
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 90

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 489
- _____ Extension, Using Research, *TWE*, p. 489
- _____ ⇨ Enrichment Masters, p. 81
- _____ ⇨ Group Activity Card 10-1

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

10-2 Lesson Planning Guide (pp. 490–494)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 10-2: Use measures of variation to compare data.

_____ State/local objectives: _____

NCTM Curriculum Standards: 5-10

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 490

_____ ⇨ Transparency 10-2A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 491

2 TEACH

_____ In-Class Examples, *TWE*, p. 491

_____ ⇨ Transparency 10-2B

_____ Reteaching, Using Models, *TWE*, p. 492

_____ ⇨ Study Guide Masters, p. 82

_____ Alternative Learning Styles, Auditory, *TWE*, p. 491

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 492

_____ Error Analysis, *TWE*, p. 492

Homework Assignments


_____ Core: 11–25 odd, 26–30

_____ Enriched: 10–22 even, 23–30

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 764

_____ ⇨ Practice Masters, p. 82

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 91

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 494

_____ Extension, Using Sports Connections, *TWE*, p. 494

_____ ⇨ Enrichment Masters, p. 82

_____ ⇨ Group Activity Card 10-2

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10-3 Lesson Planning Guide (pp. 495–501)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 10-3: Use box-and-whisker plots, pictographs, and line graphs to display data.
- _____ **South Carolina Math Curriculum Standards, Grade 8: DAP I.B.1., DAP I.B.3.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 4-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 495
- _____ ⇨ Transparency 10-3A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 495

2 TEACH

- _____ In-Class Examples, *TWE*, pp. 496, 498
- _____ ⇨ Transparency 10-3B
- _____ Reteaching, Using Discussion, *TWE*, p. 498
- _____ ⇨ Study Guide Masters, p. 83
- _____ Cooperative Learning, Jigsaw, *TWE*, p. 499
- _____ Math Lab 10-3B, *SE*, pp. 502–503

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 498
- _____ Error Analysis, *TWE*, p. 499

Homework Assignments

- _____ Core: 9–23 odd, 24–28
- _____ Enriched: 10–18 even, 19–28
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 764
- _____ ⇨ Practice Masters, p. 83
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 92

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 501
- _____ ⇨ Assessment and Evaluation Masters, Quiz A, p. 267
- _____ Extension, Work Backward, *TWE*, p. 501
- _____ ⇨ Enrichment Masters, p. 83
- _____ ⇨ Activity Masters, p. 10
- _____ ⇨ Multicultural Activity Masters, p. 19
- _____ ⇨ Group Activity Card 10-3

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10-4 Lesson Planning Guide (pp. 504–508)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 10-4: Recognize when statistics are misleading.

_____ **South Carolina Math Curriculum Standards, Grade 8: DAP II.B.1.**

_____ State/local objectives: _____

NCTM Curriculum Standards: 4-10

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 504

_____ ⇨ Transparency 10-4A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 504

2 TEACH

_____ In-Class Examples, *TWE*, p. 505

_____ ⇨ Transparency 10-4B

_____ Reteaching, Using Models, *TWE*, p. 505

_____ ⇨ Study Guide Masters, p. 84

_____ ⇨ Math Lab and Modeling Math Masters, p. 69

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 506

Homework Assignments

_____ Core: 7–13 odd, 14–15, 17–21


_____ Enriched: 8–12 even, 14–21

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 765

_____ ⇨ Practice Masters, p. 84

_____ ⇨ Real-World Applications, 23

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 93

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 508

_____ Extension, Using Biased Surveys, *TWE*, p. 508

_____ ⇨ Enrichment Masters, p. 84

_____ ⇨ Group Activity Card 10-4

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10-5 Lesson Planning Guide (pp. 509–513)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 10-5: Use tree diagrams or the Fundamental Counting Principle to count outcomes.
- _____ **South Carolina Math Curriculum Standards, Grade 8: DAP I.B.1., DAP I.B.3., DAP II.B.1., DAP III.C.1., DAP III.C.2., DAP IV.B.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 5-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 509
- _____ ⇨ Transparency 10-5A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 510

2 TEACH

- _____ In-Class Examples, *TWE*, p. 510
- _____ ⇨ Transparency 10-5B
- _____ Reteaching, Act It Out, *TWE*, p. 511
- _____ ⇨ Study Guide Masters, p. 85
- _____ Alternative Learning Styles, Kinesthetic, *TWE*, p. 509

3 PRACTICE/APPLY

- _____ Checking Your Understanding, *SE*, p. 511
- _____ Error Analysis, *TWE*, p. 512

Homework Assignments

- _____ Core: 9–19 odd, 20–21, 23–27
- _____ Enriched: 8–18 even, 20–27
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 765
- _____ ⇨ Practice Masters, p. 85
- _____ ⇨ Tech Prep Applications Masters, p. 19
- _____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 94

4 ASSESS

- _____ Closing Activity, Act It Out, *TWE*, p. 513
- _____ Self Test, *SE*, p. 513
- _____ ⇨ Assessment and Evaluation Masters, Quiz B, p. 267
- _____ ⇨ Assessment and Evaluation Masters, Mid-Chapter Test, p. 266
- _____ Extension, Using Language Connections, *TWE*, p. 512
- _____ ⇨ Enrichment Masters, p. 85
- _____ ⇨ Group Activity Card 10-5

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10-6 Lesson Planning Guide (pp. 515–519)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 10-6: Use permutations and combinations.

_____ State/local objectives: _____

NCTM Curriculum Standards: 4-9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 515

_____ ⇨ Transparency 10-6A

_____ Motivating the Lesson, Questioning, *TWE*, p. 516

2 TEACH

_____ Math Lab 10-6A, *SE*, p. 514

_____ In-Class Examples, *TWE*, p. 516

_____ ⇨ Transparency 10-6B

_____ Reteaching, Using Manipulatives, *TWE*, p. 516

_____ ⇨ Study Guide Masters, p. 86

_____ Cooperative Learning, Co-op Co-op, *TWE*, p. 515

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 516

_____ Error Analysis, *TWE*, p. 516

Homework Assignments


_____ Core: 17–49 odd, 50–58

_____ Enriched: 16–44 even, 45–58

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 765

_____ ⇨ Practice Masters, p. 86

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 95

4 ASSESS

_____ Closing Activity, Writing, *TWE*, p. 519

_____ Extension, Using Research, *TWE*, p. 519

_____ ⇨ Enrichment Masters, p. 86

_____ ⇨ Activity Masters, p. 42

_____ ⇨ Group Activity Card 10-6

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10-7 Lesson Planning Guide (pp. 520–523)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 10-7: Find the odds of a simple event.

_____ **South Carolina Math Curriculum Standards, Grade 8: DAP IV.C.2.**

_____ State/local objectives: _____

NCTM Curriculum Standards: 4-9

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 520

_____ ⇨ Transparency 10-7A

_____ Motivating the Lesson, Situational Problem, *TWE*, p. 520

2 TEACH

_____ In-Class Examples, *TWE*, p. 521

_____ ⇨ Transparency 10-7B

_____ Reteaching, Using Manipulatives, *TWE*, p. 521

_____ ⇨ Study Guide Masters, p. 87

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 521

Homework Assignments


_____ Core: 9–25 odd, 26–27, 29, 31–36

_____ Enriched: 10–24 even, 26–36

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 766

_____ ⇨ Practice Masters, p. 87

_____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 96

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 523

_____ Extension, Using Data, *TWE*, p. 522

_____ ⇨ Enrichment Masters, p. 87

_____ ⇨ Group Activity Card 10-7

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10-8 Lesson Planning Guide (pp. 524–528)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

_____ 10-8: Investigate problems using simulation.

_____ **South Carolina Math Curriculum Standards, Grade 8: DAP III.C.1., DAP III.C.2., DAP IV.B.1.,**

DAP IV.C.2.

_____ State/local objectives: _____

NCTM Curriculum Standards: 5-10

1 FOCUS

_____ 5-Minute Check, *TWE*, p. 524

_____ ⇨ Transparency 10-8A

_____ Motivating the Lesson, Questioning, *TWE*, p. 524

2 TEACH

_____ In-Class Examples, *TWE*, p. 525

_____ ⇨ Transparency 10-8B

_____ Reteaching, Using Calculators, *TWE*, p. 527

_____ ⇨ Study Guide Masters, p. 88

_____ ⇨ Interactive Mathematics Tools Software, 10-8

_____ Math Lab 10-8B, *SE*, p. 529

3 PRACTICE/APPLY

_____ Checking Your Understanding, *SE*, p. 526

_____ Error Analysis, *TWE*, p. 527

Homework Assignments

_____ Core: 7–13 odd, 14–19

_____ Enriched: 6–12 even, 13–19

_____ Alternate Assignment: _____

_____ Extra Practice, *SE*, p. 766

_____ ⇨ Real-World Applications, 24

_____ ⇨ Practice Masters, p. 88

_____ ⇨ Tech Prep Applications Masters, p. 20

_____ ⇨ *South Carolina Parent and Student Study Guide Workbook*, p. 97

4 ASSESS

_____ Closing Activity, Modeling, *TWE*, p. 528

_____ ⇨ Assessment and Evaluation Masters, Quiz C, p. 268

_____ Extension, Using Simulations, *TWE*, p. 528

_____ ⇨ Enrichment Masters, p. 88

_____ ⇨ Activity Masters, p. 24

_____ ⇨ Multicultural Activity Masters, p. 20

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10-9 Lesson Planning Guide (pp. 530–534)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

_____ ⇨ Group Activity Card 10-8

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

10-10 Lesson Planning Guide (pp. 535–538)



Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/resources needed: _____

Objectives

- _____ 10-9: Find the probability of independent and dependent events.
- _____ **South Carolina Math Curriculum Standards, Grade 8: DAP IV.B.1., DAP IV.C.1.**
- _____ State/local objectives: _____

NCTM Curriculum Standards: 5-10

1 FOCUS

- _____ 5-Minute Check, *TWE*, p. 530
- _____ ⇨ Transparency 10-9A
- _____ Motivating the Lesson, Questioning, *TWE*, p. 531

2 TEACH


- _____ In-Class Examples, *TWE*, pp. 531, 532
- _____ ⇨ Transparency 10-9B
- _____ Reteaching, Using Models, *TWE*, p. 532
- _____ ⇨ Study Guide Masters, p. 89
- _____ Alternative Teaching Strategies, *Reading Mathematics, TWE*, p. 531
- _____ ⇨ Math Lab and Modeling Math Masters, p. 85
- _____ ⇨ Interactive Mathematics Tools Software, 10-9

3 PRACTICE/APPLY

- _____ ~~Checking Your Understanding, *SE*, p. 532~~

Homework Assignments

- _____ Core: 13–27 odd, 28–29, 31–37
- _____ Enriched: 12–26 even, 28–37
- _____ Alternate Assignment: _____

- _____ Extra Practice, *SE*, p. 766
- _____ ⇨ Practice Masters, p. 89
- _____ ⇨  *South Carolina Parent and Student Study Guide Workbook*, p. 98

4 ASSESS

- _____ Closing Activity, Speaking, *TWE*, p. 534
- _____ Extension, Using Connections, *TWE*, p. 534
- _____ ⇨ Enrichment Masters, p. 89
- _____ ⇨ Group Activity Card 10-9

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