

Lesson Planning Guide (pp. 754–758)



14-1

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Day 1 of 11
Block Average	Optional
Block Advanced	Day 1 of 5.5

Objectives

- ___ Count outcomes using a tree diagram.
- ___ Count outcomes using the Fundamental Counting Principle.
- ___ State/local objectives: _____

Louisiana Grade-Level Expectations, Grade 9: 32

1 Focus

Materials/Resources Needed _____

- ___ *5-Minute Check Transparencies*, Lesson 14-1
- ___ Mathematical Background, *TWE*, p. 752C
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 755–756
- ___ *Interactive Chalkboard CD-ROM*, Lesson 14-1
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 34–35
- ___ Study Guide and Intervention, *CRM*, pp. 831–832
- ___ Reading to Learn Mathematics, *CRM*, p. 835
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 833
- ___ Practice, *CRM*, p. 834
- ___ Extra Practice, *SE*, p. 851
- ___ Differentiated Instruction, *TWE*, p. 755
- ___ *Parent and Student Study Guide Workbook*, p. 107
- ___ *Answer Key Transparencies*, Lesson 14-1

Assignment Guide, pp. 756–758, SE

	Objective 1	Objective 2	Other
Basic	9	15, 17	11, 13, 23–51
Average	9, 19	15, 17	11, 13, 18, 23–51
Advanced	10	16, 20–22	12, 14, 23–45 (optional: 46–51)

Alternate Assignment _____

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 758
- ___ algebra1.com/self_check_quiz/gee21
- ___ Enrichment, *CRM*, p. 836

___ *Closing the Gap for Absent Students*, pp. 28–29

KEY SE = Student Edition TWE = Teacher Wraparound Edition CRM = Chapter Resource Masters

Algebra Activity (p. 759)

A Follow-Up of Lesson 14-1



14

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
3, 5, 6, 7, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Day 1 of 11
Block Average	Optional
Block Advanced	Day 1 of 5.5

Objectives

___ Use finite graphs to determine whether a route is traceable.

___ State/local objectives: _____

Getting Started

Materials/Resources Needed paper, pencil

Teach

___ *Teaching Algebra with Manipulatives*, p. 206

___ *Glencoe Mathematics Classroom Manipulative Kit*

___ *Teaching Strategy, TWE*, p. 759

Assignment Guide, p. 759, SE

All 1-8

Alternate Assignment _____

Assess

___ *Study Notebook, TWE*, p. 759

Lesson Planning Guide (pp. 760–768)



14-2

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 2 & 3 of 11
Block Average	Optional
Block Advanced	Days 1 & 2 of 5.5

Objectives

- ___ Determine probabilities using permutations.
- ___ Determine probabilities using combinations.
- ___ State/local objectives: _____

**Louisiana Grade-Level
Expectations, Grade 9: 32**

1 Focus

Materials/Resources Needed _____

- ___ *5-Minute Check Transparencies*, Lesson 14-2
- ___ *Mathematical Background*, *TWE*, p. 752C
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 761–763
- ___ *Interactive Chalkboard CD-ROM*, Lesson 14-2
- ___ algebra1.com/extra_examples/gee21
- ___ algebra1.com/data_update
- ___ *Guide to Daily Intervention*, pp. 34–35
- ___ *Daily Intervention*, *TWE*, p. 764
- ___ *Study Guide and Intervention*, *CRM*, pp. 837–838
- ___ *Reading to Learn Mathematics*, *CRM*, p. 841
- ___ *Reading Mathematics*, *SE*, p. 768
- ___ *Noteables™: Interactive Study Notebook with Foldables™*, *Louisiana Edition*

3 Practice/Apply

- ___ *Skills Practice*, *CRM*, p. 839
- ___ *Practice*, *CRM*, p. 840
- ___ *Extra Practice*, *SE*, p. 851
- ___ *Differentiated Instruction*, *TWE*, p. 761
- ___ *School-to-Career Masters*, p. 27
- ___ *Parent and Student Study Guide Workbook*, p. 108
- ___ *Answer Key Transparencies*, Lesson 14-2
- ___ algebra1.com/webquest

Assignment Guide, pp. 764–767, SE

	Objective 1	Objective 2	Other
Basic	15–21 odd, 23, 27–31 odd	15–21 odd, 25, 27	33–39, 50, 51, 55–77
Average	15–21 odd, 23, 29–31 odd	15–21 odd, 25, 27	33, 36–44, 50, 51, 55– 77
Advanced	14–20 even 22, 28, 30	14–20 even, 24, 26, 32	43–71 (optional: 72–77)
All	Practice Quiz 1 (1–5)		
Reading Mathematics	1–4		
Alternate Assignment _____			

4 Assess

- ___ *Practice Quiz 1*, *SE*, p. 767
- ___ *Open-Ended Assessment*, *TWE*, p. 767
- ___ *Enrichment*, *CRM*, p. 842
- ___ *Assessment, Quiz*, *CRM*, p. 875
- ___ algebra1.com/self_check_quiz/gee21

___ *Closing the Gap for Absent Students*, pp. 28–29

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Lesson Planning Guide (pp. 769–776)



14-3

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 4 & 5 of 11
Block Average	Optional
Block Advanced	Days 2 & 3 of 5.5

Louisiana Grade-Level Expectations, Grade 9: 32

Objectives

- ___ Find the probability of two independent events or dependent events.
- ___ Find the probability of two mutually exclusive or inclusive events.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ *5-Minute Check Transparencies*, Lesson 14-3
- ___ *Mathematical Background*, *TWE*, p. 752D
- ___ *Prerequisite Skills Workbook*, pp. 47–48, 55–56, 67–70, 99–100
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 770–772
- ___ *Teaching Algebra with Manipulatives*, p. 207
- ___ *Interactive Chalkboard CD-ROM*, Lesson 14-3
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 34–35
- ___ *Daily Intervention, TWE*, p. 773
- ___ *Study Guide and Intervention, CRM*, pp. 843–844
- ___ *Reading to Learn Mathematics, CRM*, p. 847
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ *Skills Practice, CRM*, p. 845
- ___ *Practice, CRM*, p. 846
- ___ *Extra Practice, SE*, p. 851
- ___ *Differentiated Instruction, TWE*, p. 770
- ___ *Graphing Calculator and Spreadsheet Masters*, p. 49
- ___ *Science and Mathematics Lab Manual*, pp. 111–116
- ___ *Parent and Student Study Guide Workbook*, p. 109
- ___ *Real-World Application Transparencies and Masters*
- ___ *Answer Key Transparencies*, Lesson 14-3
- ___ *AlgePASS CD-ROM*, Lesson 35

Assignment Guide, pp. 772–776, SE			
	Objective 1	Objective 2	Other
Basic	17–23 odd, 28–34	25, 27	35, 48–75
Average	17–23 odd, 36–40	25, 27	35, 48–75
Advanced	16–22 even, 38–40	24, 26, 41–47	48–66 (optional: 67–75)
Alternate Assignment _____			

4 Assess

- ___ *Open-Ended Assessment, TWE*, p. 776
- ___ *Enrichment, CRM*, p. 848
- ___ *Assessment, Mid-Chapter Test, CRM*, p. 877
- ___ *Assessment, Quiz, CRM*, p. 875
- ___ algebra1.com/self_check_quiz/gee21

___ *Closing the Gap for Absent Students*, pp. 28–29

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Lesson Planning Guide (pp. 777–781)



14-4

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 6 & 7 of 11
Block Average	Optional
Block Advanced	Days 3 & 4 of 5.5

Objectives

- ___ Use random variables to compute probability.
- ___ Use probability distributions to solve real-world problems.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ 5-Minute Check Transparencies, Lesson 14-4
- ___ Mathematical Background, *TWE*, p. 752D
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, p. 778
- ___ *Interactive Chalkboard CD-ROM, Lesson 14-4*
- ___ algebra1.com/extra_examples/gee21
- ___ *Guide to Daily Intervention*, pp. 34–35
- ___ Study Guide and Intervention, *CRM*, pp. 849–850
- ___ Reading to Learn Mathematics, *CRM*, p. 853
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 851
- ___ Practice, *CRM*, p. 852
- ___ Extra Practice, *SE*, p. 852
- ___ Differentiated Instruction, *TWE*, p. 778
- ___ *Graphing Calculator and Spreadsheet Masters*, p. 50
- ___ *Parent and Student Study Guide Workbook*, p. 110
- ___ *Answer Key Transparencies*, Lesson 14-4

Assignment Guide, pp. 779–781, *SE*

	Objective 1	Objective 2	Other
Basic	10, 11, 14	12, 13, 15–17	23–48
Average	10, 11, 14	12, 13, 15–17	23–48
Advanced	18	18–22	23–42 (optional: 43–48)
All	Practice Quiz 2 (1–5)		
Alternate Assignment _____			

4 Assess

- ___ Practice Quiz 2, *SE*, p. 781
- ___ Open-Ended Assessment, *TWE*, p. 781
- ___ Enrichment, *CRM*, p. 854
- ___ Assessment, Quiz, *CRM*, p. 876
- ___ algebra1.com/self_check_quiz/gee21

___ *Closing the Gap for Absent Students*, pp. 28–29

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Lesson Planning Guide (pp. 782–788)



14-5

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

NCTM Standards
1, 5, 6, 8, 9, 10

Recommended Pacing	
Regular Average	Optional
Regular Advanced	Days 8 & 9 of 11
Block Average	Optional
Block Advanced	Days 4 & 5 of 5.5

Louisiana Grade-Level Expectations, Grade 9: 30

Objectives

- ___ Use theoretical and experimental probability to represent and solve problems involving uncertainty.
- ___ Perform probability simulations to model real-world situations involving uncertainty.
- ___ State/local objectives: _____

1 Focus

Materials/Resources Needed _____

- ___ Building on Prior Knowledge, *TWE*, p. 782
- ___ 5-Minute Check Transparencies, Lesson 14-5
- ___ Mathematical Background, *TWE*, p. 752D
- ___ *TeacherWorks CD-ROM, Louisiana Edition*
- ___ *StudentWorks CD-ROM, Louisiana Edition*

2 Teach

- ___ In-Class Examples, *TWE*, pp. 783–784
- ___ *Teaching Algebra with Manipulatives*, pp. 208–209
- ___ *Interactive Chalkboard CD-ROM*, Lesson 14-5
- ___ algebra1.com/extra_examples/gee21
- ___ algebra1.com/careers
- ___ *Guide to Daily Intervention*, pp. 34–35
- ___ Study Guide and Intervention, *CRM*, pp. 855–856
- ___ Reading to Learn Mathematics, *CRM*, p. 859
- ___ *Noteables™: Interactive Study Notebook with Foldables™, Louisiana Edition*

3 Practice/Apply

- ___ Skills Practice, *CRM*, p. 857
- ___ Practice, *CRM*, p. 858
- ___ Extra Practice, *SE*, p. 852
- ___ Differentiated Instruction, *TWE*, p. 784
- ___ *School-to-Career Masters*, p. 28
- ___ *Parent and Student Study Guide Workbook*, p. 111
- ___ *Answer Key Transparencies*, Lesson 14-5
- ___ algebra1.com/webquest

Assignment Guide, pp. 785–788, SE

	Objective 1	Objective 2	Other
Basic	22–24	13–21	32–35, 39–63
Average	22–24	13–21	25–27, 32–35, 39–63 (optional: 36–38)
Advanced	22–24	19–21, 25–31	32–63

Alternate Assignment _____

4 Assess

- ___ Open-Ended Assessment, *TWE*, p. 788
- ___ Enrichment, *CRM*, p. 860
- ___ Assessment, Quiz, *CRM*, p. 876
- ___ algebra1.com/self_check_quiz/gee21

___ *Closing the Gap for Absent Students*, pp. 28–29

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Review and Testing (pp. 789–795)



14

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Recommended Pacing	
Regular Average	Days 12 & 13 of 13
Regular Advanced	Days 13 & 14 of 14
Block Average	Day 7 of 7
Block Advanced	Day 8 of 8

Assess

- ___ *Parent and Student Study Guide Workbook*, p. 112
- ___ Vocabulary and Concept Check, *SE*, p. 789
- ___ Vocabulary Test, *CRM*, p. 874
- ___ Lesson-by-Lesson Review, *SE*, pp. 789–792
- ___ Practice Test, *SE*, p. 793
- ___ Chapter 14 Tests, *CRM*, pp. 861–872
- ___ Open-Ended Assessment, *CRM*, p. 873
- ___ Standardized Test Practice, *SE*, pp. 794–795
- ___ Standardized Test Practice, *CRM*, pp. 879–880
- ___ Cumulative Review, *CRM*, p. 878
- ___ *Vocabulary PuzzleMaker CD-ROM*
- ___ algebra1.com/vocabulary_review
- ___ algebra1.com/chapter_test/gee21
- ___ algebra1.com/standardized_test/gee21
- ___ *MindJogger Videoquizzes VHS*
- ___ Unit 5 Test, *CRM*, pp. 881–882
- ___ Second Semester Test, *CRM*, pp. 883–886
- ___ Final Test, *CRM*, pp. 887–892

Other Assessment Materials

- *ExamView® Pro CD-ROM*
- *Mastering the GEE 21: Diagnose, Prescribe, and Practice Workbook for Grade 9*
- *Preparing for LEAP 21 and GEE 21 CD-ROM*
- *GEE 21 Intervention Transparencies for Grade 9*

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