



# Understanding Basic Statistics

Third Edition

**Publisher's Questionnaire  
and Correlations to the  
Sunshine State Standards  
and  
Curriculum Framework for  
Probability & Statistics with Applications**

 McDougal Littell



**Division of Public Schools and Community Education**  
Bureau of Curriculum, Instruction and Assessment  
Instructional Materials and Library Media

**PUBLISHER'S QUESTIONNAIRE**

**2003–2004 INSTRUCTIONAL MATERIALS ADOPTION**

**DIRECTIONS:** Use this form to report information about the instructional materials submitted. Answer the questions on this form and include attachments as needed such as "Licensing Policy/Agreements," "Correlation to Curriculum Standards."

The instructional materials evaluation committee will review the responses to this questionnaire, the attachments, and the actual materials submitted. The committees will rate and comment on how well each submission satisfies the requirements of the criteria. Possible ratings are as follows: v THOROUGHLY v HIGHLY v ADEQUATELY v MINIMALLY or v NOT AT ALL.

The State Instructional Materials Committee will vote FOR or AGAINST adoption. Results will be reported in the State Committee Evaluation Report. The Commissioner of Education will use committee recommendations and cost information in making the final adoption decisions.

<b>IDENTIFICATION OF SUBMISSION</b>	
<b>Publisher</b>	<b>McDougal Littell</b>
<b>Subject Area in which Submitting</b>	<b>9-12 Mathematics</b>
<b>Course for Which Submitting</b> Use exact title as it appears in the INSTRUCTIONAL MATERIALS SPECIFICATIONS. Only ONE course may be designated	<b>9-12 Mathematics / Probability and Statistics with Applications</b>
<b>Title of Submission</b>	<b><i>Understanding Basic Statistics</i></b>
<b>Authors</b> List full name of author(s). Give major or senior author first.	<b>Charles H. Brase and Corrine P. Brase</b>
<b>Students and Grade Levels</b> Describe the type(s) of students and grade level(s) for which this submission is intended.	<b>This text is intended for use with regular students studying probability and statistics.</b>

## DESCRIPTION OF SUBMISSION

1. **IDENTIFY AND DESCRIBE THE COMPONENTS OF THE MAJOR TOOL.** *The Major Tool is comprised of the items necessary to meet the standards and requirements of the course or subject for which it is designed and submitted. As part of this section, include a description of the educational approach of the submission. (Add pages as needed.)*

### **EDUCATIONAL APPROACH: (The information provided here will be used in our catalog in the case of adoption of program.)**

*Understanding Basic Statistics* offers an effective approach to teaching the essentials of statistics within a limited time frame. Topics include probability theory, distributions, and sampling. Designed to help students overcome any apprehension about statistics, *Understanding Basic Statistics* is a thorough, yet approachable text that provides guidance and informal advice demonstrating the links between statistics and the world. To reinforce its real-world approach, the book integrates graphing technology as well as real-life data selected from a variety of sources including journals, periodicals, newspapers and the Internet, and from such fields as business, medicine, archaeology, and consumer economics.

### **MAJOR TOOL - STUDENT COMPONENTS:**

#### ***Understanding Basic Statistics, Pupil's Edition with HM StatPass Student CD-ROM***

*Chapter Openers* offer new features to further support learning: a brief *Chapter Table of Contents*, photos, and a set of pertinent *Preview Questions* with section references. The openers maintain emphasis on real world applications with quotes, commentary, and updated *Chapter Focus Problems*.

*Focus Points* found at the beginning of each section list concepts that will be covered in the section. *Tech Notes* provide general tips on appropriate use of the TI-83 Plus, Minitab, and Excel. They also incorporate display screens from each of these technologies to help students work through a statistical problem and better understand the solution. Denoted by an icon, *Tech Notes* appear in section examples, when appropriate.

*Detailed Examples* walk students through the process of selecting and applying appropriate procedures to solve problems, and *Guided Exercises* follow selected examples to give students the opportunity to work with new concepts before more are presented. Completely worked out solutions are situated beside each exercise for immediate reinforcement. Labels for *Examples*, *Guided Exercises*, *End-of-Section Exercises*, and *Review Problems* help students identify the focus or topic of an exercise. Thought-provoking *Viewpoint* boxes placed in most exercise sets focus on real-world situations and help to humanize statistics. Many of the *Viewpoints* refer students to relevant Internet sites for further exploration. Key steps to solutions of odd-numbered problems are contained in the back of the text. Comprehensive *Chapter Review Problems* cover each topic introduced in the chapter and often synthesize material and concepts from several sections.

*Using Technology Sections* include real-world data from a variety of disciplines and can be solved using a computer software package or a graphing calculator. Screen displays from Minitab, the TI-83, Excel, and ComputerStat are also included, along with helpful instructions.

Special chapter ending projects include *Data Highlights: Group Projects*, which offer practice in collaborative discussion, analysis, and problem solving; and *Linking Concepts: Writing Projects*, which challenge students to extend their thinking and examine statistical concepts from a broader perspective, usually in essay form.

The StatPass CD-ROM features the ComputerStat statistical software program, data sets, and a tutorial program to be used with the text.

### **MAJOR TOOL - TEACHER COMPONENTS:**

***Understanding Basic Statistics, Instructor's Resource Manual with Test Items***

The Resource Manual includes teaching notes, blackline masters, and solutions to text exercises. Additionally, it contains a printed version of the items on the test generator.

2. Briefly describe the **ANCILLARY** materials submitted for purchase and their relationship with the major tool. (Add additional pages as necessary)

**STUDENT COMPONENTS:**

**Technology Guide**

Provides activities and projects for students to explore utilizing the technology of computer software or graphing calculators. Specific instructions are given for using ComputerStat, Minitab, and the TI-83 graphing calculator to complete the activities. In addition, a section on Excel is included. The activities and projects correlate with the text.

**TEACHER COMPONENTS:**

**Microsoft Excel Guide**

This booklet contains helpful hints for using Excel with exercises in the text.

**Student Solutions Manual**

Contains complete solutions for exercises in the text.

**HM ClassPrep CD-ROM with HM Testing v6.0**

Provides instructors with access to both lecture aids and testing software in one convenient tool.

**HM StatPass Student CD-ROM**

Provides ComputerStat statistical software with authentic data sets for analysis, and a statistics tutorial. It is used with lessons in the text.

3. **HOW MUCH INSTRUCTIONAL TIME IS NEEDED?** *Identify and explain the suggested instructional time for this submission. If a series, state the suggested time for each level. The goal is to determine whether the amount of content is suitable to the length of the course for which it is submitted.*

*Understanding Basic Statistics* is intended for one year (two semesters) of academic study or an equivalent block of time.

4. **WHAT TRAINING/INSERVICE IS AVAILABLE?** Describe the training/inservice available from the publisher, the type of inservice available, how it may be obtained, and if there is a charge for the service. (If this program is adopted, this information will be used in the compilation of our catalog.)

McDougal Littell will provide inservice/staff development to each Florida school district in which *Understanding Basic Statistics* is adopted. Consultant services and staff development may be arranged on a mutually convenient basis at no cost to the local school district. This service is provided for the life of the contract and may be arranged by contacting the McDougal Littell sales representative for the local district.

The company maintains a toll-free telephone number (1-800-323-5435) to answer questions and provide service to teachers. This service is available from 8 a.m. to 5 p.m. CST, Monday through Friday. For technical support for McDougal Littell software, teachers can call 1-800-727-3009 from 9 a.m. to 5 p.m. EST, Monday through Friday. Frequently asked questions about technology are answered on the company's Internet site, [www.mcdougallitell.com](http://www.mcdougallitell.com), under the Tech Support tab.

5. **WHAT HARDWARE/EQUIPMENT IS REQUIRED?** Briefly list and describe the hardware/equipment needed to implement the submission in the classroom.  
**REMEMBER: FLORIDA LAW DOES NOT ALLOW HARDWARE/EQUIPMENT TO BE INCLUDED ON THE BID!**

**HM StatPass CD-ROM requires:**

Windows: Windows@95, 98, NT, 2000, or ME; 133 MHz Pentium processor; 32 MB RAM installed; 10 MB available hard drive space; 16-bit color monitor with minimum resolution settings 800 x 600; Microsoft Internet Explorer@ 5.01 Service Pack 1 or higher or Netscape Navigator@ 4.7 or higher.

Macintosh: System 8.1 or later; 100 MHz Power Macintosh processor; 32 MB installed RAM; 10 MB available hard drive space; 16-bit color monitor with suggested minimum resolution settings 800 x 600; four-speed CD-ROM drive or better; Microsoft Internet Explorer@ 5 or higher or Netscape Navigator@ 4.7 or higher.

**HM ClassPrep CD-ROM with HM Testing v6.0 requires:**

Windows: Windows@ 95, NT 4.0, 98, 2000, ME, or XP; Pentium 166 processor or better; 64 MB installed RAM; 16-bit color monitor with suggested resolution settings 800 x 600; four-speed CD-ROM drive or better; Netscape Navigator@ 4.7 or higher or Microsoft Internet Explorer@ 4.0 or higher.

Macintosh: System 8.1 through 9.2; PowerPC processor or compatible; 64 MB installed RAM; 16-bit color monitor with suggested minimum resolution settings 800 x 600; four-speed CD-ROM drive or better; Netscape Navigator@ 4.7 or higher or Microsoft Internet Explorer@ 4.0 or higher.

6. **WHAT LICENSING POLICIES AND/OR AGREEMENTS APPLY?** If software is being submitted, please attach a copy of the company's licensing policies and/or agreements.

APPLICABLE. See attachment. PLEASE CHECK:

Site (school)  District  Network

NOT APPLICABLE

7. **WHAT STATES HAVE ADOPTED THE SUBMISSION?** *List some of the states in which this submission is currently adopted.*

This text is currently adopted in South Carolina. It is being bid in 2003-2004 adoptions in Florida and Oklahoma.

8. **LIST THE FLORIDA DISTRICTS IN WHICH THIS PROGRAM HAS BEEN PILOTED IN THE LAST EIGHTEEN MONTHS.**

This program has not been piloted in the state of Florida.

**NOT APPLICABLE**

**PREPARATION OF QUESTIONNAIRE**

Name and Title of Person Preparing Questionnaire

Muffet Hughes  
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Signature

Date

**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**PUBLISHER: McDougal Littell**

**GRADE: 9-12**

**STRAND A: Number Sense, Concepts, and Operations**

**STANDARD 1: The student understands the different ways numbers are represented and used in the real world.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.1.4.1 associates verbal names, written word names, and standard numerals with integers, rational numbers, irrational numbers, real numbers, and complex numbers.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil's Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See "Descriptive Statistics" and "Hypothesis Testing" set of programs.</i></p>	<p>I</p>

\*Indepth/Mentioned

Selected exercises are referenced in parentheses, otherwise entire page is applicable.

**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.1.4.2 understands the relative size of integers, rational numbers, irrational numbers, and real numbers.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.1.4.3 understands concrete and symbolic representations of real and complex numbers in real-world situations.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.1.4.4 understands that numbers can be represented in a variety of equivalent forms, including integers, fractions, decimals, percents, scientific notation, exponents, radicals, absolute value, and logarithms.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND A: Number Sense, Concepts, and Operations**

**STANDARD 2: The student understands number systems.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.A.2.4.1 understands and uses the basic concepts of limits and infinity.	<p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 127-135, 212-228, 412-445, 537-594, 807-817</p> <p><b>Technology Guide:</b> 28-35, 60-64, 101-110, 149-162, 193-197, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 35-48, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Linear Regression and Correlation” set of programs.</i></p>	M

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.2.4.2 understands and uses the real number system.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373- 381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663- 699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210- 213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	<p>I</p>

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.2.4.3 understands the structure of the complex number system.</p>	<p><i>There is no direct correlation to this standard, but the citations below entail knowledge of the real number system.</i></p> <p><i>Tes standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	<p>M</p>

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND A: Number Sense, Concepts, and Operations**

**STANDARD 3: The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.A.3.4.1 understands and explains the effects of addition, subtraction, multiplication, and division on real numbers, including square roots, exponents, and appropriate inverse relationships.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil's Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Descriptive Statistics" and "Hypothesis Testing" set of programs.</i></p>	<p>I</p>

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.3.4.2 selects and justifies alternative strategies, such as using properties of numbers, including inverse, identity, distributive, associative, transitive, that allow operational shortcuts for computational procedures in real-world or mathematical problems.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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Selected exercises are referenced in parentheses, otherwise entire page is applicable.

**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.3.4.3 adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND A: Number Sense, Concepts, and Operations**

**STANDARD 4: The student uses estimation in problem solving and computation.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.A.4.4.1 uses estimation strategies in complex situations to predict results and to check the reasonableness of results.</p>	<p><b>Pupil's Edition:</b> 342-353, 353-364, 364-373, 373-386, 387-389</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 98-104, 321-340, 737-761</p> <p><b>Technology Guide:</b> 46-49, 128-135, 214-220</p> <p><b>Microsoft Excel® Guide:</b> 67-70</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Confidence Intervals" set of programs</i></p>	<p>I</p>

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND A: Number Sense, Concepts, and Operations**

**STANDARD 5: The student understands and applies theories related to numbers.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.A.5.4.1 applies special number relationships such as sequences and series to real-world problems.</p>	<p><i>There is no direct correlation to this standard, but the citations below are conceptually related to special number relationships.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 127-135, 212-228, 412-445, 537-594, 807-817</p> <p><b>Technology Guide:</b> 28-35, 60-64, 101-110, 149-162, 193-197, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 35-48, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Linear Regression and Correlation” set of programs.</i></p>	<p>M</p>

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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND B: Measurement**

**STANDARD 1: The student measures quantities in the real world and uses the measures to solve problems.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.B.1.4.1 uses concrete and graphic models to derive formulas for finding perimeter, area, surface area, circumference, and volume of two- and three-dimensional shapes, including rectangular solids, cylinders, cones, and pyramids.</p>	<p><i>There is no direct correlation to this standard, but the citations below are conceptually related to an understanding of the notion of area.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil's Edition:</b> 256-272, 272-286, 287-297, 298-311</p> <p><b><u>Ancillaries</u></b> <b>Instructor's Resource Manual with Test Items:</b> 85-93, 275-307, 663-699</p> <p><b>Technology Guide:</b> 40-44, 117-122, 207-209</p> <p><b>Microsoft Excel® Guide:</b> 58-65</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Descriptive Statistics" set of programs.</i></p>	<p>M</p>

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**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.B.1.4.2 uses concrete and graphic models to derive formulas for finding rate, distance, time, angle measures, and arc lengths.</p>	<p><i>There is no direct correlation to this standard, but the citations below are conceptually related to an understanding of the notion of distance.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil's Edition:</b> 256-272, 272-286, 287-297, 298-311</p> <p><b><u>Ancillaries</u></b> <b>Instructor's Resource Manual with Test Items:</b> 85-93, 275-307, 663-699</p> <p><b>Technology Guide:</b> 40-44, 117-122, 207-209</p> <p><b>Microsoft Excel® Guide:</b> 58-65</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Descriptive Statistics" set of programs.</i></p>	M
<p>MA.B.1.4.3 relates the concepts of measurement to similarity and proportionality in real-world situations</p>		

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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND B: Measurement**

**STANDARD 2: The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/ customary).**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
MA.B.2.4.1 selects and uses direct (measured) or indirect (not measured) methods of measurement as appropriate.	<p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 342-353, 353-364, 364-373, 373-386, 387-389</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 98-104, 321-340, 737-761</p> <p><b>Technology Guide:</b> 46-49, 128-135, 214-220</p> <p><b>Microsoft Excel® Guide:</b> 67-70</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Confidence Intervals” set of programs</i></p>	I

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<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.B.2.4.2 solves real-world problems involving rated measures (miles per hour, feet per second).</p>	<p><b>Pupil’s Edition:</b> 10 (#2), 36, 37, 41, 70 (#2), 80-81, 85, 86 (#1), 98 (#1), 99 (#4), 100 (#6), 101 (#9), 117 (#2), 118 (#6), 133-138, 138-140, 143 (#3), 144 (#9), 157 (#10), 220, 224 (#9-10), 235 (#8), 297 (#28), 412-414 (#2-4, 7, 9-10, 12), 424-425 (#10), 489-490 (#3-4)</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 51 (#8), 57 (#8), 69, 94 (#3), 119 (#2), 120 (#3), 122 (#3), 131, 135 (#10), 452 (#23), 454 (#30), 458 (#52), 474 (#23), 476 (#30), 501 (#2-3), 502 (#7), 506 (#31), 508 (#39), 509 (#44), 510 (#47), 539 (#7), 544, 545 (#24), 547 (#32), 549, 555 (#60), 556 (#61), 557 (#64), 628, 630 (#13), 635 (#33), 638 (#45), 639 (#47), 704 (#20), 705 (#26), 712, 737 (#2), 745 (#66), 747 (#74), 765 (#11), 769 (#27), 770 (#31), 775 (#54), 785 (#88), 799 (#16, 20)</p> <p><b>Technology Guide:</b> 17 (#2), 23 (#2), 26 (#1), 34 (#1), 62 (#1), 63 (#1), 70-73, 83-85, 86 (#3), 87-89, 91-94, 96-98, 99 (#2), 108 (#2), 139 (#1-3), 143 (#1), 160 (#2), 181, 183, 185 (#2), 191 (#1), 194-196, 217, 221 (#1), 232 (#1), 238</p> <p><b>Microsoft Excel® Guide:</b> 20, 27, 30, 31, 34, 47 (#2), 67, 74 (#1), 85 (#1)</p>	<p>I</p>

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND B: Measurement**

**STANDARD 3: The student estimates measurements in real-world problem situations.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.B.3.4.1 solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.</p>	<p><b>Pupil's Edition:</b> 342-353, 353-364, 364-373, 373-386, 387-389</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 98-104, 321-340, 737-761</p> <p><b>Technology Guide:</b> 46-49, 128-135, 214-220</p> <p><b>Microsoft Excel® Guide:</b> 67-70</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Confidence Intervals" set of programs</i></p>	<p>I</p>

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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND B: Measurement**

**STANDARD 4: The student selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.B.4.4.1 determines the level of accuracy and precision, including absolute and relative errors or tolerance, required in real-world measurement situations.</p>	<p><b>Pupil' s Edition:</b> 342-353, 353-364, 364-373, 373-386, 387-389</p> <p><b>Ancillaries</b> <b>Instructor' s Resource Manual with Test Items:</b> 98-104, 321-340, 737-761</p> <p><b>Technology Guide:</b> 46-49, 128-135, 214-220</p> <p><b>Microsoft Excel® Guide:</b> 67-70</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Confidence Intervals" set of programs.</i></p>	<p>I</p>

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<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.B.4.4.2 selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.</p>	<p><b>Pupil’s Edition:</b> 342-353, 353-364, 364-373, 373-386, 387-389</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 98-104, 321-340, 737-761</p> <p><b>Technology Guide:</b> 46-49, 128-135, 214-220</p> <p><b>Microsoft Excel® Guide:</b> 67-70</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Confidence Intervals” set of programs.</i></p>	I

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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND C: Geometry and Spatial Sense**

**STANDARD 1: The student describes, draws, identifies, and analyzes two- and three-dimensional shapes.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.C.1.4.1 uses properties and relationships of geometric shapes to construct formal and informal proofs.</p>	<p><i>There is no direct correlation to this standard, but the citations below entail forms of logical thinking and organizational thinking that are potentially helpful in constructing geometric proofs.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 36-46, 46-60, 60-69, 70-75, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 49-57, 105-118, 162-193, 341-379, 471-500, 763-794</p> <p><b>Technology Guide:</b> 14-18, 50-52, 83-90, 136-140, 181-187, 221-225</p> <p><b>Microsoft Excel® Guide:</b> 18-27, 71-74</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Hypothesis Testing” set of programs.</i></p>	M

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**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND C: Geometry and Spatial Sense**

**STANDARD 2: The student visualizes and illustrates ways in which shapes can be combined, subdivided, and changed.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.C.2.4.1 understands geometric concepts such as perpendicularity, parallelism, tangency, congruency, similarity, reflections, symmetry, and transformations including flips, slides, turns, enlargements, rotations, and fractals.</p>	<p><i>There is no direct correlation to this standard, but the citations given are related to the representation of curves.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil's Edition:</b> 256-272, 272-286, 287-297, 298-311</p> <p><b><u>Ancillaries</u></b> <b>Instructor's Resource Manual with Test Items:</b> 85-93, 275-307, 663-699</p> <p><b>Technology Guide:</b> 40-44, 117-122, 207-209</p> <p><b>Microsoft Excel® Guide:</b> 58-65</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Descriptive Statistics" set of programs.</i></p>	M
<p>MA.C.2.4.2 analyzes and applies geometric relationships involving planar cross-sections (the intersection of a plane and a three-dimensional figure).</p>		

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**SUBMISSION TITLE: Understanding Basic Statistics**

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**GRADE: 9-12**

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**STRAND C: Geometry and Spatial Sense**

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**STANDARD 3: The student uses coordinate geometry to locate objects in both two- and three dimensions and to describe objects algebraically.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.C.3.4.1 represents and applies geometric properties and relationships to solve real-world and mathematical problems including ratio, proportion, and properties of right triangle trigonometry.</p>	<p><i>There is no direct correlation to this standard, but the citations given are related to the representation of curves.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil's Edition:</b> 256-272, 272-286, 287-297, 298-311</p> <p><b><u>Ancillaries</u></b> <b>Instructor's Resource Manual with Test Items:</b> 85-93, 275-307, 663-699</p> <p><b>Technology Guide:</b> 40-44, 117-122, 207-209</p> <p><b>Microsoft Excel® Guide:</b> 58-65</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Descriptive Statistics" set of programs.</i></p>	M

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<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.C.3.4.2 using a rectangular coordinate system (graph), applies and algebraically verifies properties of two- and three-dimensional figures, including distance, midpoint, slope, parallelism, and perpendicularity.</p>	<p><i>There is no direct correlation to this standard, but the citations given are related to the representation of data through graphing.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 212-228, 537-594</p> <p><b>Technology Guide:</b> 28-35, 101-110, 193-197</p> <p><b>Microsoft Excel® Guide:</b> 35-48</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Linear Regression and Correlation” set of programs.</i></p>	M

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**GRADE: 9-12**

**STRAND D: Algebraic Thinking**

**STANDARD 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.D.1.4.1 describes, analyzes, and generalizes relationships, patterns, and functions using words, symbols, variables, tables, and graphs.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	<p>I</p>

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<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.D.1.4.2 determines the impact when changing parameters of given functions.	<p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 212-228, 537-594</p> <p><b>Technology Guide:</b> 28-35, 101-110, 193-197</p> <p><b>Microsoft Excel® Guide:</b> 35-48</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Linear Regression and Correlation” set of programs.</i></p>	M

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

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**STRAND D: Algebraic Thinking**

**STANDARD 2: The student uses expressions, equations, inequalities, graphs, and formulas to represent and interpret situations.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.D.2.4.1 represents real-world problem situations using finite graphs, matrices, sequences, series, and recursive relations.</p>	<p><i>There is no direct correlation to this standard, but the citations below entail knowledge of the underlying principles of these concepts.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 127-135, 212-228, 412-445, 537-594, 807-817</p> <p><b>Technology Guide:</b> 28-35, 60-64, 101-110, 149-162, 193-197, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 35-48, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Linear Regression and Correlation” set of programs.</i></p>	M

\*Indepth/Mentioned

Selected exercises are referenced in parentheses, otherwise entire page is applicable.



**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.D.2.4.2 uses systems of equations and inequalities to solve real-world problems graphically, algebraically, and with matrices.</p>	<p><i>There is no direct correlation to this standard, but the citations below entail knowledge of the relationship between sets.</i></p> <p><i>Opportunities to address this standard can be found on the following pages:</i></p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 127-135, 212-228, 412-445, 537-594, 807-817</p> <p><b>Technology Guide:</b> 28-35, 60-64, 101-110, 149-162, 193-197, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 35-48, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Linear Regression and Correlation” set of programs.</i></p>	<p>M</p>

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND E: Data Analysis and Probability**

**STANDARD 1: The student understands and uses the tools of data analysis for managing information.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.E.1.4.1 interprets data that has been collected, organized, and displayed in charts, tables, and plots.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 4-11, 11-19, 20-28, 29-31, 36-46, 46-60, 60-69, 70-75, 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 43-48, 49-57, 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 157-161, 162-193, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 449-469, 471-500, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 3-13, 14-18, 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 67-82, 83-90, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 173-180, 181-187, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 1-17, 18-27, 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.E.1.4.2 calculates measures of central tendency (mean, median, and mode) and dispersion (range, standard deviation, and variance) for complex sets of data and determines the most meaningful measure to describe the data.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	<p>I</p>

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.E.1.4.3 analyzes real-world data and makes predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data, and using appropriate technology, including calculators and computers.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND E: Data Analysis and Probability**

**STANDARD 2: The student identifies patterns and makes predictions from an orderly display of data using concepts of probability and statistics.**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.E.2.4.1 determines probabilities using counting procedures, tables, tree diagrams, and formulas for permutations and combinations.	<p><b>Pupil's Edition:</b> 166-175, 176-192, 193-210, 214-225, 225-238, 238-252</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 72-78, 79-84, 229-248, 249-272, 595-626, 627-662</p> <p><b>Technology Guide:</b> 36, 37-39, 111, 112-116, 198-200, 201-206</p> <p><b>Microsoft Excel® Guide:</b> 49-51, 52-57</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Probability Distributions and Central Limit Theorem" set of programs.</i></p>	I

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.E.2.4.2 determines the probability for simple and compound events as well as independent and dependent events.</p>	<p><b>Pupil’s Edition:</b> 166-175, 176-192, 193-210, 214-225, 225-238, 238-252</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 72-78, 79-84, 229-248, 249-272, 595-626, 627-662</p> <p><b>Technology Guide:</b> 36, 37-39, 111, 112-116, 198-200, 201-206</p> <p><b>Microsoft Excel® Guide:</b> 49-51, 52-57</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Probability Distributions and Central Limit Theorem” set of programs.</i></p>	I

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**CORRELATION  
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**SUBJECT: Mathematics 9-12: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

**GRADE: 9-12**

**STRAND E: Data Analysis and Probability**

**STANDARD 3: The student uses statistical methods to make inferences and valid arguments about real-world situations.**

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p>MA.E.3.4.1 designs and performs real-world statistical experiments that involve more than one variable, then analyzes results and reports findings.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 2-11, 11-19, 20-28, 29-31, 36-46, 46-60, 60-69, 70-75, 80-88, 88-103, 104-115, 116-122 , 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 43-48, 49-57, 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 157-161, 162-193, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 449-469, 471-500, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 3-13, 14-18, 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 67-82, 83-90, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 173-180, 181-187, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 1-17, 18-27, 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	<p>I</p>

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**SUBMISSION TITLE: Understanding Basic Statistics**

<b>BENCHMARK</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p>MA.E.3.4.2 explains the limitations of using statistical techniques and data in making inferences and valid arguments.</p>	<p><i>This standard is addressed throughout the text and ancillary materials. Representative citations are listed.</i></p> <p><b>Pupil’s Edition:</b> 2-11, 11-19, 20-28, 29-31, 36-46, 46-60, 60-69, 70-75, 80-88, 88-103, 104-115, 116-122, 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-381, 382-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 43-48, 49-57, 58-64, 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 157-161, 162-193, 194-211, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 449-469, 471-500, 501-535, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 3-13, 14-18, 19-27, 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 67-82, 83-90, 91-100, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 173-180, 181-187, 188-192, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 1-17, 18-27, 28-34, 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	I

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**CORRELATION  
CURRICULUM FRAMEWORKS**

**COURSE TITLE: Probability and Statistics with Applications**

**COURSE NUMBER: 1210300**

**SUBMISSION TITLE: Understanding Basic Statistics**

**PUBLISHER: McDougal Littell**

<b>INTENDED OUTCOMES (Number and outcome)</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p><b>1. Collect, organize, display, and analyze data, including measures of central tendency and measures of variability.</b></p> <p>MA.E.1.4.1 interpret data that has been collected, organized, and displayed in charts, tables, and plots.</p> <p>MA.E.1.4.2 calculate measures of central tendency (mean, median, and mode) and dispersion (range, standard deviation, and variance) for complex sets of data and determine the most meaningful measure to describe the data.</p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil's Edition:</b> 2-11, 11-19, 20-28, 29-31, 36-46, 46-60, 60-69, 70-75, 80-88, 88-103, 104-115, 116-122</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 43-48, 49-57, 58-64, 157-161, 162-193, 194-211, 449-469, 471-500, 501-535</p> <p><b>Technology Guide:</b> 3-13, 14-18, 19-27, 67-82, 83-90, 91-100, 173-180, 181-187, 188-192</p> <p><b>Microsoft Excel® Guide:</b> 1-17, 18-27, 28-34</p> <p><b>HM StatPass Student CD-ROM:</b> See the "Descriptive Statistics" set of programs.</p>	<p>I</p>

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**COURSE TITLE: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

INTENDED OUTCOMES (Number and outcome)	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p><b>2. Compare and contrast data sets using statistics.</b></p> <p>MA.D.1.4.1 describe, analyze, and generalize relationships, patterns, and functions using words, symbols, variables, tables, and graphs.</p> <p>MA.D.1.4.2 determine the impact when changing parameters of given functions</p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil's Edition:</b> 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor's Resource Manual with Test Items:</b> 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Descriptive Statistics" and "Hypothesis Testing" set of programs.</i></p>	I

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INTENDED OUTCOMES (Number and outcome)	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p><b>3. Demonstrate use of regression analysis to interpret and make predictions using varied mathematical models and statistics, including correlation and residuals.</b></p> <p>MA.D.1.4.1 describe, analyze, and generalize relationships, patterns, and functions using words, symbols, variables, tables, and graphs.</p> <p>MA.E.1.4.3 analyze real-world data and make predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data, and using appropriate technology, including calculators and computers.</p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil's Edition:</b> 126-133, 133-145, 145-161</p> <p><u><b>Ancillaries</b></u> <b>Instructor's Resource Manual with Test Items:</b> 65-71, 212-228, 537-594</p> <p><b>Technology Guide:</b> 28-35, 101-110, 193-197</p> <p><b>Microsoft Excel® Guide:</b> 35-48</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the "Linear Regression and Correlation" set of programs.</i></p>	I

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INTENDED OUTCOMES (Number and outcome)	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p><b>4. Analyze and interpret the design of an experiment (i.e., hypothesis building, sampling, data collection, data analysis for hypothesis testing).</b></p> <p>MA.E.3.4.1 design and perform real-world statistical experiments that involve more than one variable, then analyze results and report findings.</p> <p>MA.E.3.4.2 explain the limitations of using statistical techniques and data in making inferences and valid arguments.</p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil’s Edition:</b> 36-46, 46-60, 60-69, 70-75, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 49-57, 105-118, 162-193, 341-379, 471-500, 763-794</p> <p><b>Technology Guide:</b> 14-18, 50-52, 83-90, 136-140, 181-187, 221-225</p> <p><b>Microsoft Excel® Guide:</b> 18-27, 71-74</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Hypothesis Testing” set of programs.</i></p>	I

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INTENDED OUTCOMES (Number and outcome)	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
<p><b>5. Demonstrate understanding of experimental probability, theoretical probability and discrete probability distributions.</b></p> <p>MA.E.2.4.1 determine probabilities using counting procedures, tables, tree diagrams, and formulas for permutations and combinations.</p> <p>MA.E.2.4.2 determine the probability for simple and compound events as well as independent and dependent events.</p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil’s Edition:</b> 166-175, 176-192, 193-210, 214-225, 225-238, 238-252</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 72-78, 79-84, 229-248, 249-272, 595-626, 627-662</p> <p><b>Technology Guide:</b> 36, 37-39, 111, 112-116, 198-200, 201-206</p> <p><b>Microsoft Excel® Guide:</b> 49-51, 52-57</p> <p><b>HM StatPass Student CD-ROM:</b> See the “Probability Distributions and Central Limit Theorem” set of programs.</p>	I

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<b>INTENDED OUTCOMES (Number and outcome)</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<p><b>6. Apply sampling, randomness, and distribution concepts in designing or evaluating the validity of experiments.</b></p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil’s Edition:</b> 36-46, 46-60, 60-69, 70-75, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 49-57, 105-118, 162-193, 341-379, 471-500, 763-794</p> <p><b>Technology Guide:</b> 14-18, 50-52, 83-90, 136-140, 181-187, 221-225</p> <p><b>Microsoft Excel® Guide:</b> 18-27, 71-74</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Hypothesis Testing” set of programs.</i></p>	<p>I</p>

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**COURSE TITLE: Probability and Statistics with Applications**

**SUBMISSION TITLE: Understanding Basic Statistics**

<b>INTENDED OUTCOMES (Number and outcome)</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
<b>7. Demonstrate understanding of binomial and normal distributions and their properties.</b>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil’s Edition:</b> 256-272, 272-286, 287-297, 298-311</p> <p><b><u>Ancillaries</u></b> <b>Instructor’s Resource Manual with Test Items:</b> 85-93, 275-307, 663-699</p> <p><b>Technology Guide:</b> 40-44, 117-122, 207-209</p> <p><b>Microsoft Excel® Guide:</b> 58-65</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” set of programs.</i></p>	<p>I</p>

**CORRELATION  
CURRICULUM FRAMEWORKS**

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<p><b>8. Select and demonstrate use of specific statistical techniques for analyzing and transforming data in ways that are appropriate to the experimental design.</b></p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil’s Edition:</b> 126-133, 133-145, 145-161, 256-272, 272-286, 287-297, 298-311, 316-321, 321-331, 331-337, 342-353, 353-364, 364-373, 373-386, 392-401, 401-415, 415-425, 425-436, 436-443, 445-447, 452-466, 466-479, 480-492, 493-509, 514-527, 528-535, 536-542, 542-553, 553-562, 564-568</p> <p><b>Ancillaries</b> <b>Instructor’s Resource Manual with Test Items:</b> 65-71, 85-93, 94-97, 98-104, 105-118, 119-126, 127-135, 212-228, 275-307, 308-320, 321-340, 341-379, 380-411, 412-445, 537-594, 663-699, 701-735, 737-761, 763-794, 795-806, 807-817</p> <p><b>Technology Guide:</b> 28-35, 40-44, 45, 46-49, 50-52, 53-59, 60-64, 101-110, 117-122, 123-127, 128-135, 136-140, 141-148, 149-162, 193-197, 207-209, 210-213, 214-220, 221-225, 226-229, 230-241</p> <p><b>Microsoft Excel® Guide:</b> 35-48, 58-65, 67-70, 71-74, 75-81, 82-86</p> <p><b>HM StatPass Student CD-ROM:</b> <i>See the “Descriptive Statistics” and “Hypothesis Testing” set of programs.</i></p>	<p>I</p>



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<p><b>9. Demonstrate use of a graphing calculator and spreadsheets for displaying and interpreting data.</b></p> <p>MA.E.1.4.3 analyze real-world data and make predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data and using appropriate technology, including calculators and computers.</p>	<p>The following page references relate specifically to the Intended Course Outcome. Exhaustive references for the supporting Standards, by Standard, are provided in the companion document, <i>A Correlation of Understanding Basic Statistics to the Sunshine State Standards</i>, which is included in the binder.</p> <p><b>Pupil's Edition:</b> 32-33, 76-77, 123, 162-163, 211, 253, 312-313, 338-339, 387-389, 448-449, 510-511</p> <p><b>Ancillaries</b> <b>Technology Guide:</b> 3-13, 14-18, 19-27, 28-35, 36, 37-39, 40-44, 45, 46-49, 50-52, 53-59, 60-64</p> <p><b>Microsoft Excel® Guide:</b> 1-17, 18-27, 28-34, 35-48, 49-51, 52-57, 58-65, 67-70, 71-74, 75-81, 82-86</p>	I