

Math Medic to CED AP Statistics Alignment

Math Medic Unit	Primary CED Unit
Unit 1: Exploring Data	CED Unit 1: Exploring One-Variable Data
Unit 2: Modeling Distributions of Data	CED Unit 1: Exploring One-Variable Data
Unit 3: Exploring Two-Variable Data	CED Unit 2: Exploring Two-Variable Data
Unit 4: Collecting Data	CED Unit 3: Collecting Data
Unit 5: Probability	CED Unit 4: Probability, Random Variables, and Probability Distributions
Unit 6: Random Variables	CED Unit 4: Probability, Random Variables, and Probability Distributions
Unit 7: Sampling Distributions	CED Unit 5: Sampling Distributions
Unit 8: Confidence Intervals for Proportions	CED Unit 6: Inference for Categorical Data: Proportions
Unit 9 Significance Tests for Proportions	CED Unit 6: Inference for Categorical Data: Proportions
Unit 10: Confidence Intervals for Mean	CED Unit 7: Inference for Quantitative Data: Means
Unit 11: Significance Tests for Mean	CED Unit 7: Inference for Quantitative Data: Means
Unit 12: Chi-Square Tests	CED Unit 8: Inference for Categorical Data: Chi-Square
Unit 13: Linear Regression Inference	CED Unit 9: Inference for Quantitative Data: Slopes

Math Medic AP Statistics Unit 1: Exploring Data

- Lesson 1.0: Can Joy Smell Parkinson's? (CED Topic: 1.1)
- Lesson 1.1: How Are Your Favorite Classes Related? (CED Topics: 1.2 – 1.4, 2.2 – 2.3)
- Lesson 1.2: What Will be the EK Mascot? (CED Topics: 2.1 – 2.2)
- Lesson 1.3: How Many Pairs of Shoes Do You Own? (CED Topics: 1.5 – 1.7)
- Lesson 1.4: Which City Has the Better Weather? (CED Topic: 1.7)
- Lesson 1.5: Where Do I Stand? (CED Topics: 1.7 – 1.9)

Math Medic AP Statistics Unit 2: Modeling Distributions of Data

- Lesson 2.1: Where Do I Stand? Part 2 (CED Topic: 1.7)
- Lesson 2.2: How Did Marty Do On His Test? (CED Topic: 1.10)
- Lesson 2.3: Can You Curve the Test Scores? (CED Topic: 4.9)
- Lesson 2.4: Three Activities (CED Topics: 1.8, 1.10)
- Lesson 2.5: How Long is Your Favorite Song? (CED Topic 1.10)

Math Medic AP Statistics Unit 3: Exploring Two-Variable Data

- Lesson 3.1: How Many Rubber Bands Does Barbie Need? (CED Topic: 2.4)
- Lesson 3.2: How Safe is Barbie? (CED Topics: 2.5, 2.8)
- Lesson 3.3: How Good Are the Predictions for Barbie? (CED Topics: 2.6 – 2.8)
- Lesson 3.4: Show You Buy Monster Stock? (CED Topic: 2.7)
- Lesson 3.5: How Do Outliers Affect the LSRL? (CED Topic: 2.9)
- Lesson 3.6: Can You Predict Monster Energy Stock Values? (CED Topic: 2.9)
- Lesson 3.7: How Close Can You Get to the Finish Line (CED Topic: 2.9)

Math Medic AP Statistics Unit 4: Collecting Data

- Lesson 4.1: Does Beyonce Write Her Own Lyrics (CED Topics: 3.1 – 3.4)
- Lesson 4.2: How Much Do Fans Love Taylor Swift? Day 1 (CED Topic: 3.3)
- Lesson 4.3: How Much Do Fans Love Taylor Swift? Day 2 (CED Topic: 3.3)
- Lesson 4.4: What is Wrong with These Surveys? (CED Topic: 3.4)
- Lesson 4.5: Does SAT Prep Improve Scores? (CED Topics: 3.2, 3.5)
- Lesson 4.6: What is Wrong with These Experiments? (CED Topic: 3.5)
- Lesson 4.7: Does the Type of SAT Prep Matter? (CED Topics: 3.5 – 3.6)
- Lesson 4.8: What's in a Name? (CED Topic: 3.7)
- Lesson 4.9: Does SAT Prep Improve Scores? Part 2 (CED Topics: 3.2, 3.7)

Math Medic AP Statistics Unit 5: Probability

- Lesson 5.1: Is Mrs. Gallas a Good Free Throw Shooter? (CED Topics: 4.1 – 4.3)
- Lesson 5.2: Are Soda Contests True? (CED Topic: 4.2)
- Lesson 5.3: Matching Starburst (CED Topic: 4.3)
- Lesson 5.4: Taco Tongue, Evil Eyebrow Day 1 (CED Topics: 4.4, 4.6)
- Lesson 5.5: Taco Tongue, Evil Eyebrow Day 2 (CED Topics: 4.5 – 4.6)
- Lesson 5.6: Matching Starburst Part 2 (CED Topic: 4.6)

Math Medic AP Statistics Unit 6: Random Variables

- Lesson 6.1: How Many Children Are in Your Family? (CED Topics: 4.7 – 4.8)
- Lesson 6.2: How Much Do You Get Paid? (CED Topic: 5.2)
- Lesson 6.3: Is It Time For a Raise? (CED Topic: 4.9)
- Lesson 6.4: How Much Will You Make Next Year? (CED Topic: 4.9)
- Lesson 6.5: Will the U.S. Win the World Cup? (CED Topic 4.10)
- Lesson 6.6: Pop Quiz! (CED Topic: 4.11)
- Lesson 6.7: Do You Like Green Skittles? (CED Topic: 6.2)
- Lesson 6.8: how Many Bottle Flips to Go Viral? (CED Topic: 4.12)

Math Medic AP Statistics Unit 7: Sampling Distributions

- Lesson 7.1: AP Stats Exam Scores – Day 1 (CED Topic: 5.1)
- Lesson 7.2: AP Stats Exam Scores – Day 2 (CED Topic: 5.4)
- Lesson 7.3: What's the Proportion of Orange Reese's Pieces (CED Topic: 5.5)
- Lesson 7.4: Do M&M's or Skittles Have More Orange Candies (CED Topic: 5.6)
- Lesson 7.5: How Tall to Be in the NBA? (CED Topic: 5.7)
- Lesson 7.6: How Tall to Be in the NBA? Day 2 (CED Topic: 5.3)
- Lesson 7.7: AP Exam Scores: Which School is Better? (CED Topic: 5.8)

Math Medic AP Statistics Unit 8: Confidence Intervals for Proportions

- Lesson 8.1: Guess the Mystery Proportion (CED Topics: 6.1, 6.3)
- Lesson 8.2: What Does "95% Confident" Mean? (CED Topic: 6.3)
- Lesson 8.3: Which Way Will the Hershey's Kiss Land? (CED Topic: 6.2)
- Lesson 8.4: What Proportion of Earth is Covered by Water? (CED Topic: 6.2)
- Lesson 8.5: Which Grade is More Likely to Go to Prom? (CED Topics: 6.8 – 6.9)

Math Medic AP Statistics Unit 9: Significance Tests for Proportions

- Lesson 9.1: Is Mrs. Gallas a Good Free Throw Shooter? (CED Topic: 6.4, 7.1)
- Lesson 9.2: Are You Sure Mrs. Gallas Isn't a Good Free Throw Shooter? (CED Topics: 6.4 – 6.5)
- Lesson 9.3: Can You Taste the Rainbow? (CED Topic: 6.6)
- Lesson 9.4: Red or Black? (CED Topic: 6.10)
- Lesson 9.5: Which Grade is More Likely to Go to Prom? (CED Topic: 6.11)
- Lesson 9.6: Show Rockford Switch to Bottled Water? (CED Topic: 6.7)
- Lesson 9.7: Will Mrs. Gallas Prove Herself? (CED Topic 6.7)

Math Medic AP Statistics Unit 10: Confidence Intervals for Mean

- Lesson 10.1: How Much Does an Oreo Weigh? (CED Topic: 7.2)
- Lesson 10.2: How Much Screen Time? (CED Topic: 7.2 – 7.3)
- Lesson 10.3: Which Cookie Has the Most Chips? (CED Topic: 7.6 – 7.7)
- Lesson 10.4: Is Climate Change Real? (CED Topic 7.3)

Math Medic AP Statistics Unit 11: Significance Tests for Means

- Lesson 11.1: How Do AP Exam Scores Compare? (CED Topics: 7.4 – 7.5)
- Lesson 11.2: What is Normal Body Temperature? (CED Topics: 7.4 – 7.5)
- Lesson 11.3: Is One Form of the AP Exam Harder? (CED Topics: 7.8 – 7.9)
- Lesson 11.4: Does a Multivitamin Improve Memory? (CED Topics: 7.8 – 7.9)
- Lesson 11.5: Is Climate Change Real? Part 2 (CED Topic: 7.5)

Math Medic AP Statistics Unit 12: Chi-Square Tests

- Lesson 12.1: What Is Your Favorite Color M&M? Part 1 (CED Topics: 8.1 – 8.2)
- Lesson 12.2: What Is Your Favorite Color M&M? Part 2 (CED Topic: 8.3)
- Lesson 12.3: Will You Get Accepted to College? (CED Topic: 8.4 – 8.6)
- Lesson 12.4: Are Taco Tongue and Evil Eyebrow Independent? (CED Topic: 8.5 – 8.6)

Math Medic AP Statistics Unit 13: Linear Regression Inference

- Lesson 13.1: Do Absences Affect Your Grade? Part 1 (CED Topics: 9.1 – 9.2)
- Lesson 13.2: Do Absences Affect Your Grade? Part 2 (CED Topics: 9.2 – 9.3)
- Lesson 13.3: Does Studying Improve Test Scores? (CED Topics: 9.4 – 9.5)