



Carroll ISD Honors Statistics 2021-2022 Year-At-A-Glance

	1 st Grading Period	2 nd Grading Period	3 rd Grading Period	4 th Grading Period
Process Standards	S1 A, B, C, D, E, F, G Math Process Standards, how students understand and learn mathematics, used throughout the course			
TEKS	Unit 1 Statistics: The Art and Science of Data S.2B, C, E S.4A,B Unit 2 Describing Distributions of Data S.4C S.5C,D Unit 3 Modeling Distributions of Data S.2E S.4D	Unit 4 Describing Relationships S.4C, S.7A, B, C, D, E, F Unit 5 Sampling and Surveys S.2A, B, C, D S.3A, B, C, D S.4D	Unit 6 Designing Experiments S.2A, B, C, D, E, F, G Unit 7 Probability S.4 E, F S.5A, B, C Unit 8 Probability Models S.5B,C	Unit 9 Introduction to Inference S.6A, B, C, D, E, F, G, H, I Unit 10 Inference In Practice S.5D, S.6A, B, C, D, E, F, H, I
Topic Focus	Unit 1 Statistics: The Art and Science of Data <ul style="list-style-type: none"> • Data • Drawing conclusions Unit 2 Describing Distributions of Data <ul style="list-style-type: none"> • Distributions with Graphs • Describing Distributions • Use of Statistics • Misuse of Statistics 	Unit 4 Describing Relationships <ul style="list-style-type: none"> • Scatterplots and Correlation • Regression and Prediction Unit 5 Sampling and Surveys <ul style="list-style-type: none"> • Samples, Good and Bad 	Unit 6 Designing Experiments <ul style="list-style-type: none"> • Experiments, Good and Bad • Experiments in the Real World • Data Ethics Unit 7 Probability <ul style="list-style-type: none"> • Randomness • Probability 	Unit 9 Introduction to Inference <ul style="list-style-type: none"> • Confidence Interval • Significance Test • Use and Abuse of Statistical Inference Unit 10 Inference In Practice <ul style="list-style-type: none"> • Chi-Square Tests • Goodness of Fit • Two-Way Tables



	<p>Unit 3 Modeling Distributions of Data</p> <ul style="list-style-type: none"> Measuring Location in a Distribution Normal Distributions 	<ul style="list-style-type: none"> Sample Surveys in the Real World 	<ul style="list-style-type: none"> Simulation Probability Rules Conditional Probability Condition Independence <p>Unit 8 Probability Models</p> <ul style="list-style-type: none"> Probability Distributions Counting and Probability Binomial Distributions 	<ul style="list-style-type: none"> Population Mean Inferences
<p>Additional Resources</p>	<p>Textbook: <i>Statistics Through Applications 2nd edition Starnes, Yates, & Moore</i> My Math Lab: <i>Essential Statistics: Exploring the World Through Data 3rd edition Gould, Wong, Ryan</i> Teacher Created Honors Statistics Canvas Page Delta Math ClassKick</p>			

Power Standards: S.2A, S.2E, S.3A, S.3C, S.4D, S.5B, S.5D, S.6C, S.6H, S.7F