AP Statistics

What will we teach your child?

Arenas, Sprints, and Belts

Arena 1		Arena 2	
White Belt 1	White Belt 2	Yellow Belt 1	Yellow Belt 2
6 Weeks	6 Weeks	6 Weeks	6 Weeks
3 Months		**3 Months**	

Program Completion Time: **12 Months**

Arena 3		Arena 4	
Green Belt 1	Green Belt 2	Blue Belt 1	Blue Belt 2
6 Weeks	6 Weeks	6 Weeks	6 Weeks
3 Months		**3 Months**	

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White Belt 1	
#	Sprints (6 Weeks)
1	Variable - Identifying Individuals & Categorical Variables
2	Bar Graphs, Two Way Frequency Tables & Mosaic Plots
3	Marginal & Conditional Distributions
4	Frequency Tables & Dot Plots
5	Histogram, Stem & Leaf Plots
6	Review/Assessment

Yellow Belt 1	
#	Sprints (6 Weeks)
1	Variance & Effects Of Linear Transformations
2	Box Plots, Quartiles & Outliers
3	Percentile & Cumulative Frequency Graph
4	Z-Scores & Density Curves
5	Normal Distributions & Calculations
6	Review/Assessment

White Belt 1

Yellow Belt 1

White Belt 2	
#	Sprints (6 Weeks)
1	Classifying Shapes Of Distributions
2	Describing & Comparing Distributions
3	Mean - Balancing Point, Increasing/Removing An Outlier
4	Median - Introduction & Median In A Histogram

Yellow Belt 2	
#	Sprints (6 Weeks)
1	Scatterplot - Construction & Direction
2	Bivariate Relationship Linearity, Strength & Direction
3	Describing Scatterplots- Form.Direction, Strength & Outliers
4	Correlation Coefficient

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5	Inter Quartile Range & Standard Deviation
6	Review/Assessment

	Residuals- Introduction & Least Square Regression. Residual Plot, Regression Line & Model
	Review/Assessment

White Belt 2

Yellow Belt 2

Green Belt 1	
#	Sprints (6 Weeks)
1	Analyzing Departures From Linearity
2	Collecting Data - Sample, Survey & Study
3	Potential Problems With Sampling
4	Random Sampling & Data Collection
5	Introduction To Experimental Design
6	Review/Assessment

Blue Belt 1	
#	Sprints (6 Weeks)
1	Binomial & Geometric Distribution
2	Density Curves & Central Limit Theorem
3	Sampling Distributions For Sample Proportions & Sample Means
4	Confidence Intervals - Introduction, Proportions & Difference Between Two Proportions
5	Significance Tests & Population Proportion Tests
6	Review/Assessment

Green Belt 1

Blue Belt 1

Green Belt 2	
#	Sprints (6 Weeks)

Blue Belt 2	
#	Sprints (6 Weeks)

AP Statistics

What will we teach your child?

1	Probability - Theoretical & Experimental
2	Probability - Venn Diagrams & Addition Rule
3	Conditional Probability & Independent/Dependent Events
4	Probability Distributions & Random Variables
5	Random Variables- Mean, Standard Deviation, Transformation & Combining Random Variables
6	Review/Assessment

1	Constructing A Confidence Interval For A Population Mean & For The Difference Of Two Means
2	Population Mean Test- Setting Up & Carrying Out A Test
3	Testing For Difference Of Two Population Mean
4	Inference For Categorical Data: Chi-Square
5	Inference For Quantitative Data: Slopes
6	Review/Assessment

Green Belt 2

Blue Belt 2