

**Course:** Prob. & Stats. w/Applications Honors (1210300)

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Week 1	3/23/20	3/24/20	3/25/20	3/26/20	3/27/20
Resource	iTutoring	iTutoring	iTutoring	iTutoring	iTutoring
Assignment	<b>Topic 12:</b> Basic Probability	<b>Topic 12:</b> Basic Probability	<b>Topic 12:</b> Basic Probability	<b>Topic 13:</b> Independent Events	<b>Topic 13:</b> Independent Events
Resource	Khan Academy	Khan Academy	Khan Academy	Khan Academy	Khan Academy
Assignment	<p><b>Probability: Experimental Probability</b> Learn (Videos):</p> <ul style="list-style-type: none"> <li>Experimental probability</li> <li>Theoretical and experimental probabilities</li> <li>Making Predictions with Probabilities</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>➤ <i>Experimental Probability</i></li> <li>➤ <i>Making Predictions w/prob</i></li> </ul>	<p><b>Probability: Randomness, probability, and simulation</b> Learn (Videos):</p> <ul style="list-style-type: none"> <li>Experimental vs. theoretical probability simulation</li> <li>Theoretical and experimental prob.: coin flips and die rolls</li> <li>Random Number list to run experiment</li> <li>Random numbers for experimental probability</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>➤ <i>Interpreting results of simulations</i></li> </ul>	<p><b>Probability: Addition Rule</b> Learn (Videos):</p> <ul style="list-style-type: none"> <li>Probability with Venn Diagrams</li> <li>Addition rule for probability</li> <li>Addition rule for probability (basic)</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>➤ <i>Adding Probabilities</i></li> <li>➤ <i>Two-way Tables, Venn diagrams, and probability</i></li> <li>➤ <i>Take Quiz 2</i></li> </ul>	<p><b>Probability: Multiplication Rule for independent events</b> Learn (Videos):</p> <ul style="list-style-type: none"> <li>Sample Spaces for compound events</li> <li>Compound probability of independent events</li> <li>Probability of a compound event</li> <li>Coin-Flipping probability</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>➤ <i>Sample Spaces for compound events</i></li> <li>➤ <i>Independent probability</i></li> </ul>	<p><b>Probability: Multiplication Rule for independent events</b> Learn (Videos):</p> <ul style="list-style-type: none"> <li>Probability with equally likely events</li> <li>Independent events example: test taking</li> <li>Die rolling probability with independent events</li> <li>Probabilities of “at least one” success</li> </ul> <p><b>Practice:</b></p> <ul style="list-style-type: none"> <li>➤ <i>Probabilities of compound events</i></li> <li>➤ <i>Probability of “at least one”</i></li> </ul>
Recommended Duration:	45 – 60 minutes total	45 – 60 minutes total	45 – 60 minutes total	45 – 60 minutes total	45 – 60 minutes total

### Directions for Accessing Assignments:

#### iTutoring

1. Visit [www.itutoring.com](http://www.itutoring.com)
2. User name: **ccsd**
3. Password: **math**
4. Click on **SAT Math Prep Course**
5. Choose **Section 4: Data Analysis, Statistics & Probability**
6. Watch the assigned videos and work through the problems along with the video, if needed



#### Khan Academy

1. Visit [www.khanacademy.org](http://www.khanacademy.org)
2. Login or Sign up
3. From the drop down Courses menu, choose **Statistics & Probability**
4. Choose the content area from the left side menu
5. Complete the assigned activity above



**Note:** iTutoring offers instructional videos and slides covering all Algebra 2 and SAT content

**Notes:** students can download and use the Math/Algebra Nation app on their cell phones and/or iPads