

Livingston County Schools  
7<sup>th</sup> Grade  
Unit 8: Probability and Sampling

Length of Unit: 23 Days

KY Academic Standard	Critical Vocabulary	Texts/Resources/Activities
KY 7.SP.0		<ul style="list-style-type: none"> <li>• IXL7 BB12, BB13</li> <li>• GROUP IXL6 GG13, CC20</li> <li>• GROUP IXL8 CC17, CC18</li> <li>• Pre-Algebra Book 3 Book: Section 9-5; Pg. 484</li> </ul>
KY 7.SP.1	Population Sample Random Sample Representative Sample Unbiased Biased Sample	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 26</li> <li>• IXL7 CC8</li> <li>• GROUP IXL6 HH9</li> <li>• GROUP IXL8 DD10</li> <li>• Practice Coach Plus Lesson 30</li> <li>• Crosswalk Coach Lesson 30</li> <li>• Math Course 2 Book: Section 7-8 and 11-3</li> <li>• Pre-Algebra Course 3 Book: Section 9-1</li> </ul>
KY 7.SP.2a-c	Census	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 26 and 30</li> <li>• IXL7 J13</li> <li>• GROUP IXL8 H11</li> <li>• Practice Coach Plus Lesson 30-31 and 34</li> <li>• Crosswalk Coach Lesson 30 and 34</li> <li>• Math Course 2 Book: Section 7-8 and 11-3</li> </ul>
KY 7.SP.3	Mean Absolute Deviation	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 29 and 31</li> <li>• IXL7 CC5</li> <li>• GROUP IXL6 HH6</li> </ul>

		<ul style="list-style-type: none"> <li>• Practice Coach Plus Lesson 33 and 35</li> <li>• Crosswalk Coach Lesson 33 and 35</li> </ul>
KY 7.SP.4	Mean Median Mode Measures of Central Tendency Outlier Dot Plot Cluster Measure of Variation Range Quartile Lower Quartile (Q1) Second Quartile (Q2) Upper Quartile (Q3) Interquartile Range (IQR) Percentile Index (i) Box-and-Whisker Plot	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 27, 28, 30, and 31</li> <li>• IXL7 CC1, CC2, CC3, CC4, CC7, BB16</li> <li>• GROUP IXL6 HH2-HH5, GG20, HH7, HH8</li> <li>• GROUP IXL8 DD1-DD4, CC14, DD6, DD7</li> <li>• Practice Coach Plus Lesson 32-35</li> <li>• Crosswalk Coach Lesson 31-32 and 34-35</li> <li>• Math Course 2 Book: Section 7-1, 7-2, 7-3, and 7-5</li> <li>• Pre-Algebra Course 3 Book: Section 9-3 and 9-4; Pg. 481</li> </ul>
KY 7.SP.5	Probability	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 24</li> <li>• IXL7 DD1</li> <li>• Practice Coach Plus Lesson 28</li> <li>• Crosswalk Coach Lesson 28</li> <li>• Math Course 2 Book: Section 11-1</li> <li>• Pre-Algebra Course 3 Book: Section 10-1</li> </ul>
KY 7.SP.6	Theoretical Probability Experimental Probability Outcomes Relative Frequency	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 24</li> <li>• IXL7 DD6</li> <li>• GROUP IXL6 II2, II3, II4, II5</li> <li>• GROUP IXL 8 EE1, EE2, EE3, EE4</li> <li>• Practice Coach Plus Lesson 28</li> <li>• Crosswalk Coach Lesson 28</li> <li>• Math Course 2 Book: Section 11-1, 11-2, and 11-4</li> </ul>

		<ul style="list-style-type: none"> <li>• Pre-Algebra Course 3 Book: Section 10-2, 10-4, and 10-6</li> </ul>
KY 7.SP.7a-b		<ul style="list-style-type: none"> <li>• Buckledown, Lesson 24</li> <li>• IXL7 DD1, DD2, DD4</li> <li>• GROUP IXL6</li> <li>• GROUP IXL8</li> <li>• Practice Coach Plus Lesson 28</li> <li>• Crosswalk Coach Lesson 28</li> <li>• Math Course 2 Book: Section 11-1, 11-2, and 11-4</li> </ul>
KY 7.SP.8a-c	<p>Compound Events  Independent Events  Dependent Events  Tree Diagram  Simulation</p>	<ul style="list-style-type: none"> <li>• Buckledown, Lesson 25</li> <li>• IXL7 DD2, DD9, DD10, DD11, DD7, DD8, DD14</li> <li>• GROUP IXL6 II1, II6-II9</li> <li>• GROUP IXL8 EE5, EE6, EE7, EE8, EE11</li> <li>• Practice Coach Plus Lesson 29</li> <li>• Crosswalk Coach Lesson 29</li> <li>• Math Course 2 Book: Section 11-5</li> <li>• Pre-Algebra Course 3 Book: Section 10-3, 10-5, and 10-8</li> </ul>