<table>
<thead>
<tr>
<th>Unit 1</th>
<th>4</th>
<th>Concepts &amp; Competencies</th>
<th>Common Assessments</th>
<th>Academic Standards</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Looking at Data — Distributions</strong> Students will construct and interpret graphical displays of distributions of univariate data, summarize distributions of univariate data, compare distributions of univariate data and solve problems involving the normal distribution.</td>
<td>Quiz – univariate data  Test – univariate data</td>
<td>I.A  I.B  I.C  III.C</td>
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<td>Unit 2</td>
<td>5</td>
<td><strong>Looking at Data — Relationships</strong> Students will analyze bivariate data and construct and interpret graphical displays of bivariate data.</td>
<td>Quiz – bivariate data  Test – bivariate data  First marking period exam (cumulative)</td>
<td>I.D  I.E</td>
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<td>Unit 3</td>
<td>4</td>
<td><strong>Producing Data</strong> Students will apply appropriate methods of data collection and plan and conduct surveys and experiments.</td>
<td>Quiz – producing data  Test – producing data</td>
<td>II.A  II.B  II.C  II.D</td>
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<td>Unit 4</td>
<td>5</td>
<td><strong>Probability</strong> Students will explore random phenomena using probability and simulation, solve problems using the rules of probability and solve problems involving random variables.</td>
<td>Quiz – probability  Test – probability  Midterm exam (cumulative)</td>
<td>III.A  III.B  III.C</td>
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<td>Unit 5</td>
<td>4</td>
<td><strong>From Probability to Inference</strong> Students will solve problems involving discrete random variables including binomial and geometric distributions, analyze the sampling distribution of a sample mean and the difference between two independent sample means, analyze the sampling distribution of a sample proportion and the difference between two independent sample proportions and apply the Central Limit Theorem.</td>
<td>Quiz – random variables  Test – random variables</td>
<td>III.A  III.B  III.C  III.D</td>
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