



# IXL Spring Spotlight skill plan

## Geometry



Use IXL's interactive skill plan to get up-to-date skill alignments, assign skills to your students, and track progress.

[www.ixl.com/math/skill-plans/ixl-spring-spotlight-geometry](https://www.ixl.com/math/skill-plans/ixl-spring-spotlight-geometry)

# Days 1-5

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Classify congruence transformations CXT</li><li>2. Checkpoint: Transformations in the plane MPY</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Sequences of congruence transformations: graph the image WHW</li><li>2. Checkpoint: Transformations of geometric figures D5L</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Congruence transformations: mixed review XQ7</li><li>2. Checkpoint: Rigid motion and congruence H9L</li></ol>
<b>Day 4</b>	<ol style="list-style-type: none"><li>1. Dilations: find length, perimeter, and area WLC</li><li>2. Checkpoint: Dilations 8C6</li></ol>
<b>Day 5</b>	<ol style="list-style-type: none"><li>1. Prove similarity statements ETX</li><li>2. Checkpoint: Triangle similarity and congruence 5MD</li></ol>

## Days 6-10

Day	IXL skills
<b>Day 6</b>	<ol style="list-style-type: none"><li>1. Proving a quadrilateral is a parallelogram H89</li><li>2. Checkpoint: Parallelogram theorems F5J</li></ol>
<b>Day 7</b>	<ol style="list-style-type: none"><li>1. Solve a right triangle GPR</li><li>2. Checkpoint: Right triangle trigonometry 45J</li></ol>
<b>Day 8</b>	<ol style="list-style-type: none"><li>1. Construct the midpoint or perpendicular bisector of a segment HDT</li><li>2. Checkpoint: Geometric constructions PQG</li></ol>
<b>Day 9</b>	<ol style="list-style-type: none"><li>1. Equations of parallel and perpendicular lines VEB</li><li>2. Checkpoint: Parallel and perpendicular lines JR9</li></ol>
<b>Day 10</b>	<ol style="list-style-type: none"><li>1. Classify shapes on the coordinate plane: justify your answer 8MQ</li><li>2. Checkpoint: Coordinate proofs 26X</li></ol>

# Days 11-15

Day	IXL skills
<b>Day 11</b>	<ol style="list-style-type: none"><li>Inscribed angles 98U</li><li>Checkpoint: Angles and lines in circles T95</li></ol>
<b>Day 12</b>	<ol style="list-style-type: none"><li>Construct the inscribed or circumscribed circle of a triangle 8VS</li><li>Checkpoint: Inscribed and circumscribed circles DCT</li></ol>
<b>Day 13</b>	<ol style="list-style-type: none"><li>Area of sectors XZQ</li><li>Checkpoint: Arc length and area of sectors 57A</li></ol>
<b>Day 14</b>	<ol style="list-style-type: none"><li>Write equations of circles in standard form using properties EXA</li><li>Checkpoint: Equations of circles M2P</li></ol>
<b>Day 15</b>	<ol style="list-style-type: none"><li>Partition a line segment in a given ratio J42</li><li>Checkpoint: Partition a line segment U7H</li></ol>

## Days 16-20

Day	IXL skills
<b>Day 16</b>	<ol style="list-style-type: none"><li>Area and perimeter in the coordinate plane II MHQ</li><li>Checkpoint: Area and perimeter in the coordinate plane 9VT</li></ol>
<b>Day 17</b>	<ol style="list-style-type: none"><li>Volume of pyramids and cones 7J3</li><li>Checkpoint: Volume WY6</li></ol>
<b>Day 18</b>	<ol style="list-style-type: none"><li>Solids of revolution LKT</li><li>Checkpoint: Cross sections and solids of revolution PYM</li></ol>
<b>Day 19</b>	<ol style="list-style-type: none"><li>Calculate density, mass, and volume YKJ</li><li>Checkpoint: Density BDY</li></ol>
<b>Day 20</b>	<ol style="list-style-type: none"><li>Find probabilities using the addition rule UKV</li><li>Checkpoint: Probabilities of compound events Z8J</li></ol>