Unit 1: Area and Surface Area			
Open Up Family Resource Link			
Lesson	Skill	Online Resources	Standard
1	Explain the meaning of area.	https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/basic-geo-unit-squares-area/v/introduction-to-area-and-unit-squares	6.G.A
2	Know what it means for two figures to have the same area. Explain how to find the area of a figure that is composed of other shapes. Know how to find the area of a figure by decomposing it and rearranging the parts.	https://www.youtube.com/watch?v=r1KOWNnY8Ek https://www.youtube.com/watch?v=F1XxlOipFMo	6.G.A.1
3	Use different reasoning strategies to find the area of shapes.	https://www.youtube.com/watch?v=xFQJ4QWuw78 https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/basic-geo-unit-squares-area/v/measuring-the-same-rectangle-with-different-unit-squares	6.G.A.1
4	Use reasoning strategies and what I know about the area of a rectangle to find the area of a parallelogram. Know how to describe the features of a parallelogram using mathematical vocabulary.	https://www.youtube.com/watch?v=PKzE3OWxDfQ https://www.youtube.com/watch?v=PVIKHNDsJpc	6.G.A.1
5	Know what the terms "base" and "height" refer to in a parallelogram. Write and explain the formula for the area of a parallelogram. Identify pairs of base and height of a parallelogram.	https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/parallelogram-area/v/intuition-for-area-of-a-parallelogram	6.EE.A.2.a, 6.EE.A.2.c, 6.G.A.1

6	Use the area formula to find the area of any parallelogram.	https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/parallelogram-area/e/area_of_parallelograms https://www.ixl.com/math/grade-7/area-of-rectangles-and-parallelograms	6.EE.A.2.c, 6.G.A.1
7	Explain the special relationship between a pair of identical triangles and a parallelogram.	https://www.wyzant.com/resources/lessons/math/geometry/areas/parallelograms_and_triangles	6.G.A.1
8	Use what I know about parallelograms to reason about the area of triangles.	https://www.youtube.com/watch?v=iK9EIO0o0W8	6.G.A.1
9	Use the area formula to find the area of any triangle. Write and explain the formula for the area of a triangle. Know what the terms “base” and “height” refer to in a triangle.	https://www.youtube.com/watch?v=xCdxURXMdFY https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-triangle/v/intuition-for-area-of-a-triangle https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-triangle/e/area_of_triangles_1 https://www.ixl.com/math/grade-6/area-of-triangles	6.EE.A.2.a, 6.EE.A.2.c, 6.G.A.1
10	Identify pairs of base and corresponding height of any triangle. Identify and draw a height of a triangle, when given information about a corresponding base.	https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-triangle/e/find-base-and-height-on-a-triangle https://www.youtube.com/watch?v=LTYr_oENJ-k https://www.youtube.com/watch?v=yDODrzIg40A https://www.youtube.com/watch?v=2IMz5WJFvI8	6.EE.A.2.c, 6.G.A.1
11	Reason about the area of any polygon by decomposing and rearranging it, and by using what I know about rectangles and triangles. Describe the characteristics of a polygon using mathematical vocabulary.	https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-comparisons https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-breaking-up-shape https://www.skillsyouneed.com/num/polygons.html	6.G.A.1
12	Know what the surface area of a three-	https://www.youtube.com/watch?v=SJGpKnI-784	6.G.A.4

	dimensional object means.	https://www.youtube.com/watch?v=TL0Rhy4m7pA	
13	Describe the features of a polyhedron using mathematical vocabulary. Explain the difference between prisms and pyramids. Understand the relationship between a polyhedron and its net.	https://www.youtube.com/watch?v=DtQP7ndV6Q0 https://www.youtube.com/watch?v=v2CksDGfbPY https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-surface-area/v/nets-of-polyhedra	6.G.A.4
14	Match polyhedra to their nets and explain how I know. Calculate the surface are of a prism or a pyramid when given a net.	https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-surface-area/e/nets-of-3d-figures https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-surface-area/v/finding-surface-area-using-net	6.G.A.4
15	Draw the nets of prisms and pyramids. Calculate the surface area of prisms and pyramids.	https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/basic-geometry-surface-area/v/finding-surface-area-using-net https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/basic-geometry-surface-area/v/surface-area-from-net https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/basic-geometry-surface-area/e/surface-areas https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/basic-geometry-surface-area/v/surface-area-word-problem-example https://www.ixl.com/math/grade-6/surface-area-of-cubes-and-rectangular-prisms	6.G.A.2, 6.G.A.4
16	Know how one-, two-, and three-dimensional measurements and units are different. Explain how it is possible for two polyhedra to have the same surface area but different volumes, or to have different surface areas but the same	https://www.youtube.com/watch?v=dQM98LyubdU https://www.youtube.com/watch?v=SJJhHknEDPY https://www.mathsisfun.com/definitions/dimension.html https://www.eduplace.com/math/mw/background/4/10/te_4_10_formulas_ask.html https://keydifferences.com/difference-between-area-and-volume.html#ComparisonChart	6.G.A.4

	volume.		
17	Know how one-, two-, and three-dimensional measurements and units are different. Explain how it is possible for two polyhedra to have the same surface area but different volumes, or to have different surface areas but the same volume.	https://www.youtube.com/watch?v=dQM98LyubdU https://www.youtube.com/watch?v=SJJhHknEDPY https://www.mathsisfun.com/definitions/dimension.html https://www.eduplace.com/math/mw/background/4/10/te_4_10_formulas_ask.html https://keydifferences.com/difference-between-area-and-volume.html#ComparisonChart	6.EE.A, 6.EE.A.1
18	Write and explain the formula for the surface area of a cube. Knowing the edge length of a cube, find its surface area and express it using appropriate units.	https://www.youtube.com/watch?v=k3F5cftV8oU https://www.ixl.com/math/grade-5/surface-area	6.EE.A.1, 6.EE.A.2.a, 6.G.A.4