

## Shapes and Designs -- Unit Planning Overview 6<sup>th</sup> Grade

Investigations & Assessments	Days	Materials for Students	Materials for Teachers	Transparencies	ACE Questions	Copies for Students	Miscellaneous
1. Bees & Polygons <i>Read TE p. 14 a-e</i>	2	Calculators Shapes Sets (1/group)	Shape Set for overhead projector	0.1-1.1	1.1: #1-8, 12, 13	8-14	Introduce the unit project
2. Building Polygons <i>Read TE p. 21 a-g</i>	3	Calculators Polystrips Brass fasteners Large sheets of unlined paper Number cubes (3/group)	Some quadrilaterals cut from paper (see p.14f)	2.1-2.3	2.1: #1, 2, 5, 7 2.2: #3, 4, 6, 8, 10 2.3: #9, 11-13, 15-17	15-21	
3. Polygons & Angles <i>Read TE p. 41 a-k</i>	5	Shape Sets Large sheet of unlined paper Angle rulers (1/student)	Polystrips & brass fasteners	3.1-3.6, Transparencies of lab sheet 3.5	3.1: #Reflections p.21 3.2: #13-18, 27-29 3.3: #19-26 3.4: #19, 26 and SF p.108 & Additional Prac. #3, prob. #1 3.5: #1-12, 30-35, 38-42 3.6: Additional Prac. #1-2	22-41	
Check -Up 1	½					p. 80-81	Answers, p.92
4. Polygon Properties & Tiling <i>Read TE p. 50 a-i</i>	3	Calculators Angle rulers Shape sets Straight edges Scissors	Shape set for overhead projector	4.1-4.3	4.1: #1 & Reflections p. 41 4.2: #2-6, 8, 10 4.3: #7, 11, Reflections p.50	42-50	
5. Side-Angle-Shape Connections <i>Read TE 63 a-g</i>	2	Calculators Shape sets (1/group)	Shapes A, B, J, M, P to use on overhead	5.1	5.1: #SF p.94 & Additional Prac. #4 5.2: #1-17	51-63	
Check-Up 2	½					p. 78-79	Answers on p. 92-93
6. Turtle Tracks <i>Read TE p. 75 a-h</i>	3	Calculator Macintosh computers Turtle Math software	Mac computer w/ video display	6.1-6.3	See teaching notes	64-75	This investigation may be skipped if you find yourself behind schedule
Quiz	1					p. 82-85	Answers on p.93-94
Self Assessment	Take Home					p. 91	
Unit Test	1					p. 88-89	Answers on p. 95