

Aeronautics Educator Guide			
2005 Mathematics			
Essential Knowledge and Skills			
Texas Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Air Engines (12-16)	TX	MA.2.9.A	identify concrete models that approximate standard units of length and use them to measure length;
Paper Bag Mask (23-28)	TX	MA.2.7.A	describe attributes (the number of vertices, faces, edges, sides) of two- and three-dimensional geometric figures such as circles, polygons, spheres, cones, cylinders, prisms, and pyramids, etc.;
Paper Bag Mask (23-28)	TX	MA.2.7.C	cut two-dimensional geometric figures apart and identify the new geometric figures formed.
Paper Bag Mask (23-28)	TX	MA.2.9.A	identify concrete models that approximate standard units of length and use them to measure length;
Wind in Your Socks) (29-35)	TX	MA.2.9.B	select a non-standard unit of measure such as square tiles to determine the area of a two-dimensional surface;
Wind in Your Socks) (29-35)	TX	MA.2.13.A	explain and record observations using objects, words, pictures, numbers, and technology; and
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Grade 3			
Activity/Lesson	State	Standards	
Air Engines (12-16)	TX	MA.3.11.A	use linear measurement tools to estimate and measure lengths using standard units;
Dunked Napkin (17-22)	TX	MA.3.13.B	interpret information from pictographs and bar graphs; and
Paper Bag Mask (23-28)	TX	MA.3.8.A	The student is expected to identify, classify, and describe two- and three-dimensional geometric figures by their attributes. The student compares two- dimensional figures, three-dimensional figures, or both by their attributes using formal geometry vocabulary.
Paper Bag Mask (23-28)	TX	MA.3.9.B	create two-dimensional figures with lines of symmetry using concrete models and technology; and
Paper Bag Mask (23-28)	TX	MA.3.11.A	use linear measurement tools to estimate and measure lengths using standard units;
Wind in Your Socks) (29-35)	TX	MA.3.11.A	use linear measurement tools to estimate and measure lengths using standard units;
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Grade 4			
Activity/Lesson	State	Standards	
Air Engines (12-16)	TX	MA.4.11.A	estimate and use measurement tools to determine length (including perimeter), area, capacity and weight/mass using standard units SI (metric) and customary;
Let's Build a Table Top Airport (91-96)	TX	MA.4.9.A	demonstrate translations, reflections, and rotations using concrete models;
We Can Fly, You and I: Interdisciplinary Learning (107-108)	TX	MA.4.12.B	use tools such as a clock with gears or a stopwatch to solve problems involving elapsed time.
Paper Bag Mask (23-28)	TX	MA.4.8.C	use essential attributes to define two- and three-dimensional geometric figures.
Paper Bag Mask (23-28)	TX	MA.4.11.A	estimate and use measurement tools to determine length (including perimeter), area, capacity and weight/mass using standard units SI (metric) and customary;
Wind in Your Socks) (29-35)	TX	MA.4.11.A	estimate and use measurement tools to determine length (including perimeter), area, capacity and weight/mass using standard units SI (metric) and customary;