



# gellin' with GEOMETRY

## and connections with TEKS

### Mathematical Process Standards

Apply mathematics to problems arising in everyday life, society, and the workplace.

Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.

Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.

Create and use representations to organize, record, and communicate mathematical ideas.

Analyze mathematical relationships to connect and communicate mathematical ideas.

Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

All of the *Gellin' with Geometry* activities were designed to promote critical thinking skills. The parent participation booklet offers some suggested higher-order thinking questions for parents to ask their children as they are involved in the activity. As parents work with their children and enter into deeper mathematical conversations, they will be addressing the *Mathematical Process Standards* and promoting greater learning and understanding.



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Area	
Kindergarten	2A, 2B, 2C, 2D, 2E, 2I, 3A, 6A, 6D, 6F
First	3D, 3E, 3F, 5D, 5G
Second	4A, 6A, 9F
Third	4E, 4F, 5B, 5D, 6C, 7B
Fourth	5D
Fifth	3A
Fraction Action	
Kindergarten	6A, 6F
First	6A, 6C, 6D, 6F, 6G, 6H
Second	3A, 3B, 3D, 8E
Third	3A, 3C, 3D, 3F, 3H, 6E
Fourth	3A, 3B, 3C, 3E
Fifth	3H
Geometry Bingo	
Kindergarten	6A, 6D
First	6A, 6D
Second	8A, 8C, 8D
Third	6A, 6B
Fourth	6A, 6C, 6D
Fifth	
Origami	
Kindergarten	6A, 6D, 6F
First	6A, 6B, 6C, 6D
Second	8A, 8C, 8D
Third	6A, 6B
Fourth	6A, 6C
Fifth	Reinforces and builds on earlier concepts.



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Structures	
Kindergarten	2C, 2E, 2I, 6A, 6B, 6C, 6E, 6F
First	6B, 6E
Second	8B, 8D
Third	6A
Fourth	Reinforces and builds on earlier concepts. Emphasis on MP1.
Fifth	Reinforces and builds on earlier concepts. Emphasis on MP1.
Symmetry	
Kindergarten	Emphasis on MP1.
First	6D
Second	Emphasis on MP1.
Third	6B
Fourth	6B
Fifth	Reinforces and builds on earlier concepts. Emphasis on MP1.
Tangrams	
Kindergarten	6A, 6D, 6E, 6F
First	6A, 6C, 6D, 6F
Second	8D, 8E
Third	6B
Fourth	7B
Fifth	Emphasis on MP1.
3-D Solids	
Kindergarten	6B, 6C
First	6B, 6E
Second	8B, 8D
Third	6A
Fourth	Reinforces and builds on earlier concepts. Emphasis on MP1.
Fifth	Reinforces and builds on earlier concepts. Emphasis on MP1.