**LEARNING PLAN 7th Grade**

### Exploratory Activities

- **Classifying Angles**
- **Get It Together**: "Stick figure p. 50-55"
- **Polygons pp. 62-67**

### CONCEPT

- Angles / 2-Dimensional Figures

### Concept Development Activities

- **Passport – Lab 8.1**
- **Tangram Activity**
- **Passport – Investigate Circumference p. 386**
- **Passport – Investigate The Area of a Circle p. 400**
- **AIMS Education Foundation: The Amazing circle vol. 1 Activities 1, 8, 9, 11, 12**
- **Looking for Pythagoras Investigation 2**

### Materials and Resources

- **Angle Handout**
- **NCTM: Teaching Mathematics in the Middle School, “Tangram Activity**
- **Protractor, Dot Paper, Tangrams and graph paper**
- **AIMS Education Foundation: The Amazing circle vol. 1**
- **Connected Math: Looking for Pythagoras**

### Basic Facts and Standard Algorithms Formalized

- **Passport – pp. 374-377**
  - pp. 388-389
  - pp. 390-399
  - pp. 402-404

- **Investigation 2 Applications pp. 22-23**

### Originality and Creativity

#### Student Products

- **Written**
  - Write an advertisement for your “Dream Machine”. Include in your ad, the function of your machine and a description of the 10 polygons used to make it

- **Verbal**
  - Give a convincing argument for using your “Dream Machine”. Include its function and a detailed description of the 10 polygons used in it.

- **Kinesthetic**
  - Build a “Dream Machine” using 10 different polygons.

- **Visual**
  - Draw a picture of your “dream Machine made with at least 10 different polygons.

### Related TEKS


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