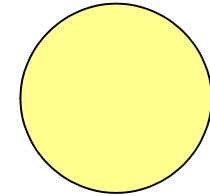


## Shapes All Around Us

**Target SOL Objectives:** Math K.13- The student will identify, describe and make plane geometric figures.

**Target STL Standards:** 8- Students will develop an understanding of the attributes of design.



Prior Knowledge & Skills	Materials & Preparation	Safety Issues	Class Management	Materials Provided	Time Management
Shape names Graphs Using Computer, mouse and program for drawing 1:1 Correspondence	Check Design Brief for materials	Proper computer usage	Individual or partners  A shape hunt can be whole class event or in small groups.	Design Brief Shape hunt sheet Graphing chart Guided Portfolio Rubric Assessment	Session 1: 20 min. Intro Design Brief Do shape hunt Session 2: 30 min. Work on project Session 3: 20 min. Graph shapes used Session 4: Sharing and Evaluation

**Supporting SOL Objectives:**

Math K.1 The student, given two sets containing 10 or fewer concrete items, will identify and describe

one set as having more, fewer, or the same number of members as the other set, using concept of 1 to 1 correspondence.

- K.14 The student will identify representations of plane and geometric figures, regardless of their position and orientation in space.
- K.15 The student will compare the size and shape of plane geometric figures.
- K.16 The student will gather data relating to familiar experiences by counting and tallying.
- K.17 The student will display objects and information, using objects and pictorial graphs and tables.

- Science K.1 The student will conduct investigations.
- K.4 The student will investigate and understand that objects can be described in terms of their physical properties.

- English K.1 The student will demonstrate growth in the use of oral language. English
- K.2 The student will use listening and speaking vocabularies.
  - K.3 The student will build oral communication skills.
  - K.6 The student will demonstrate an understanding that print makes sense.
  - K.11 The student will draw pictures and/or use letters and phonetically spelled words to write about experiences, stories, people, objects, or events.
  - K.12 The student will explore the uses of available technology for reading and writing.

**Supporting STL Standards:**

- 3 Students will develop an understanding of the relationships among technologies and the connections between technology and other fields of study.
- 9 Students will develop an understanding of engineering design.
- 10 Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.
- 11 Students will develop abilities to apply the design process.
- 17 Students will develop an understanding of and be able to select and use information and communication technologies.