

MODULE

Graphic Communications

- Learn how drafting is a form of communication.
- Learn how to correctly measure using a ruler and perform a measuring activity.
- Develop skills in using drafting equipment.
- Construct various geometric shapes using the drafting tools.
- Interpret a floor plan and a technical drawing of the space shuttle.
- Investigate orthographic projections.
- Learn about pictorial drawings.

SESSION FOCUS

- 1** Measurements
- 2** Getting Started
- 3** Geometry, Geometric Shapes
- 4** Alphabet of Lines, Shuttle Drawing, Floor Plan Drawing
- 5** Orthographic Projections, Multiviews A, Multiviews B
- 6** Isometric Drawings
- 7** Oblique Drawings

Dear Parent,

As parents and teachers, we realize it can be hard to get a child to discuss what he or she is learning in school. We hope the information provided on this page will assist you in communicating with your child about what he or she is learning.

Your participation in the learning process is extremely important, as you are your child's best teacher.

For the next few days, your child will be learning about drafting instruments and how to use these tools to create multiview and pictorial drawings while completing the *Graphic Communications* Module.

Words students will learn in this Module include:

- diameter
- dimension
- equilateral projection
- horizontal lines
- isometric drawing
- oblique drawing
- octagon
- orthographic projection
- parallel lines
- perpendicular lines
- vertical lines

Questions for Discussion

During the course of this Module, your child will be assessed on key concepts and activities. You might want to discuss these concepts and activities with your child. He or she will be asked to:

- Explain why drafting is called the "language of industry." (*Drafting uses symbols, line types, or conventions and figures to describe various components of a drawing.*)
- Provide the definition of geometry. (*Geometry is a part of math dealing with shapes and sizes of objects.*)
- Explain the difference between horizontal and vertical. (*Horizontal runs from side to side and is parallel to the horizon. Vertical runs up and down and is perpendicular to the horizon.*)

Student: _____

Parent: _____