

Course Materials

In each chapter's teacher notes, a list of the necessary and optional materials for that chapter appears. This section contains compiled lists of all materials that do not come with the Teacher Guide, materials that will need to be purchased if they are not already available as existing classroom supplies. **Note:** Basic teacher supplies (such as a chalkboard, chalk, copy paper, and blank transparencies for copying resource pages) are not included in these lists, nor are basic student supplies such as scientific calculators, paper, pencils, and erasers.

Highly recommended:

- Dynamic Geometry Tool – such as a computer lab or teacher's computer with Geometer's Sketchpad which is able to be projected with either projector or a TV screen, or a class set of graphing calculators with CABRA Jr. and an overhead graphing calculator display. While activities will be provided for teachers that do not have access to technology, using a dynamic tool provides students the ability to understand geometric properties and relationships deeper, as well as test conjectures for multiple situations quickly and conveniently. (for all chapters)
- Reflective plastic tool, such as MIRA by EAI Education or Reflecta by Safe-T (for Chapter 3)
- Laser pointer and chalk dust or cornstarch (For demonstrations in Chapter 2)
- Polyhedra construction tools, such as Geofix (as described in Lesson 11.1.1)
- Globe (11.2.1)

Necessary: --- The lesson in parentheses indicates the FIRST time the item is needed.

- Colored pencils or markers (1.1.1)
- Scissors (1.1.1)
- Transparent tape or glue sticks (1.1.1)
- Markers or colored pencils (1.1.1)
- Graph paper (1.1.3)
- Hinged mirrors (1.1.5)
- Colored unlined paper (1.1.5)
- Class set of protractors OR Lesson 1.1.5 Resource Page (1.1.5)
- Tracing paper (1.2.3)
- Poster paper and poster graph paper and markers (1.3.1)
- Small sticky notes (1.3.1)
- Blank transparency sheets and overhead pens (2.1.2)
- Small weight or washer (2.2.4)
- Rulers with centimeters (2.2.4)
- String (2.2.4)
- Index cards (2.2.4)
- Linguini or straws (2.3.2)
- Small rubber bands (3.1.1)
- Small flat mirror (3.2.6)
- Meter stick OR measuring tape (3.2.6)
- Small flat mirror (3.2.6)
- Cardboard (4.1.5)
- Dice, one die per student (4.2.2)
- Paperclips (4.2.2)
- Soup cans with labels intact (7.1.3)
- Cubical models (7.1.3)
- Multilink cubes (9.1.1)
- Compasses (9.2.1)
- Paper conical party hats (11.1.4)
- Bubbles (11.1.5)
- Spherical models (such as oranges) (11.2.1)
- Pushpins (11.2.1)
- Gumdrops (12.2.2)
- Toothpicks (12.2.2)

Optional Materials:

This, the final pair of lists, includes optional materials that will enhance the lesson (provided in parentheses) but are not crucial for the lesson activity.

- Masking tape (3.2.6)
- “Triangular Flag” demonstration tool (1.2.1)
- Shoe box (5.3.5)
- Binders or spiral-bound notebooks (for students’ Learning Logs) (1.2.1)
- Pattern blocks (8.1.1)
- Deck of cards (9.1.3)