

## Presenter Preparation Checklist

### Suggested Table set (per group of 4):

- Restickable notes of varying sizes
- Rulers
- Tape measures (metric)
- Highlighters
- Post-it flags
- Tape
- Masking tape
- Flip chart markers
- Pencils
- Technology Tutorial** binder (one per computer)
- Chart paper

### Manipulatives/Materials

#### *Engage:*

- Sticky dots
- Almanac—one per every two groups
- CBRs—one per every two groups
- Beach balls of different sizes—one set per every group of 4 participants at this station
- One-inch cubes—one per every two groups
- Meter stick—one per every two groups

#### *Explore/Explain 1:*

- Ramp—one per group
- Marble—one per group
- Cups or containers of varying sizes—one per group
- Measuring Tape (metric)—one per group
- Carbon paper or NCR form—one per group
- Hard flat plastic surface (for carpeted rooms only)—one per group
- Textbooks—two or three per group

#### *Explore/Explain 3:*

- CBL2—one per group
- Light probe—one per group
- Flashlight with fresh batteries—one per group
- Meter sticks—two or three per group
- Measuring Tape (metric, optional)—one per group (instead of meter sticks)
- Graph link cable
- Extra batteries for flashlight and CBL2

#### *Elaborate:*

- Sentence strips – blue and yellow, one of each per participant

## Advanced Preparation

### Engage:

- Copy with a color printer on cardstock and cut out Data Station Cards—A, B, C, D
- Cut out 36 one inch squares for Data Station D
- Chart Paper
  - Statements about technology with Likert scale—one per statement
  - Reflections on Data Venn Diagram—one per 12 participants

### Explore/Explain 1:

- Build the ramp according to directions—one per group of participants

### Explore/Explain 2:

- Copy the Geometer's Sketchpad® sketch **Golden Triangles.gsp** onto the desktop of each participants' computer.

## Technology

- Presentation computer loaded with most recent update of:
  - PowerPoint (optional)
  - TI InterActive!
  - TI Connect
  - Excel
  - Word
  - Internet access
  - Hyperlink document (optional)
- Data projector
- Overhead projector
- One computer per two participants loaded with most recent update of:
  - Geometer's Sketchpad
  - TI InterActive!
  - TI Connect
  - Excel
  - Word
  - Internet access
  - Hyperlink document (optional)
- TI-83/84 overhead graphing calculator loaded with CBR/CBL program
- TI-83/84 calculator loaded with CBR/CBL program – one per participant
  - Graph link (optional)
  - DataMate program (optional)
- CBRs
- CBL2s – one per group of participants
  - Light Probe – one per group of participants
- Jumpdrives (optional)

## Transparencies or PowerPoint Slides

### *Engage:*

- Reflections on Data—Internet vs Almanac
- Reflections on Data—Calculator vs Hands-On
- Debriefing the Exploration of Data

### *Explore/Explain 1:*

- Transparency 1: Ramp Setup
- Transparency 2: Collecting the Third Point

### *Elaborate:*

- Teaching Strategies
- Transparency 1: Looks Like—Sounds Like
- Transparency 2: Looks Like, Sounds Like
- Student Research

### *Evaluate:*

- Encouraging Judicious Use of Technology

## Handouts

Prepare one folder for each participant to use through out the training. The handout for *Planning for Intentional Use of Data in the Classroom* from the Engage phase and the Explore/Explain phases should all be copied on the same particular color (i.e., green). The other handouts should be copied on different colors for each phase (i.e., light pink for the Engage, light blue for Explore/Explain 1, etc.). It also might be helpful to staple these colored pages together.

### *Engage:*

- Data Station A Recording Sheet
- Data Station B Recording Sheet
- Data Station C Recording Sheet
- Data Station D Recording Sheet
- Reflections on Data—Internet vs. Almanac
- Reflections on Data—Calculator vs. Hands-on
- Debriefing the Exploration of Data
- Planning for Intentional Use of Data in the Classroom (copy on green paper)

### *Explore/Explain 1:*

- Activity Pages: Flying Off the Handle
- Flying Off the Handle: Intentional Use of Data (copy on green paper)

### *Explore/Explain 2:*

- Activity Pages: A Golden Idea
- A Golden Idea: Intentional Use of Data (copy on green paper)

### *Explore/Explain 3:*

- Activity Pages: I've Seen the Light!

- I've Seen the Light!: Intentional Use of Data (copy on green paper)

*Elaborate:*

- Activity Page: The Doomsday Model

*Evaluate:*

- Gallery Walk Observations
  - Flying Off the Handle
  - A Golden Idea
  - I've Seen the Light!
  - The Doomsday Model