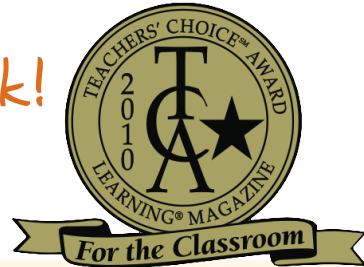


# SmartClings: GRAPHS

Line, Bar, & Circle Graphs & Pictographs

Building connections that stick!



## Instructional eKits & ePacks

- ✓ Motivate students with hands-on, interactive learning
- ✓ Winner of *Learning*® Magazine 2010 Teachers' Choice™ Award
- ✓ Create more graphs in less time by eliminating shading, erasing, and other "art" activities, allowing students to focus on how to represent the data set
- ✓ Choose activities based on objectives and skill levels
- ✓ Effective for first-time graphers or any student who struggles with graph construction or graph interpretation
- ✓ Use activities and clings for years

Description	Code	Price	Box	Teacher CD	Cling Sheets	Graph Cards	Storage Cards
 <p>SmartClings: Graphs Student ePack</p>	eCLGREP01	\$19.95	0	1	1	1	1
 <p>SmartClings: Graphs 30-Student eKit</p>	eCLGREK30	\$99.95	1	1	30	30	30
 <p>Spanish SmartClings: Graphs Student ePack</p>	eCLGRSP01	\$19.95	0	1	1	1	1
 <p>Spanish SmartClings: Graphs 30-Student eKit</p>	eCLGRSK30	\$99.95	1	1	30	30	30
 <p>SmartClings: Graphs Replacement Cling (English or Spanish)</p>	CLGRRP01	\$2.95	0	0	1	0	0

**SmartClings Spanish\* Versions**



\*Spanish materials include: Spanish teacher CD and dual language storage card (shown above) for easy translation of English cling sheet.

**Student ePacks Just \$19.95**



# Teacher CD Views

- Activity 3 • Activity 4
- Activity 4 • Activity 5

## Bar Graphs

- Features
- Activity 1 • Activity 5
- Activity 2 • Activity 6
- Activity 3 • Activity 7
- Activity 4 • Activity 8

## Circle Graphs

- Features
- Activity 1 • Activity 2



*"Our students love the hands-on activities and enjoy working with the SmartClings. They are used for small groups and tutorial sessions."*  
 – Julia Robinson, Curriculum Director, Commerce ISD

Bar Graph - Activity 2

**SmartCling Graph Instructions**

Chris used a thermometer to measure the temperature of the liquids contained in several beakers. Attach the SmartClings to the card to create a vertical **bar graph** using the data shown in his notebook.

Beaker	Temperature (°C)
A	20
B	15
C	25
D	5
E	10

1. Select a graph title.
2. Select a label for the horizontal axis.
3. Select a label to describe each beaker.
4. Select a label for the vertical axis.
5. Select a scale for the vertical axis.
6. Graph the data using bars of the correct height.

Buttons: Title and Labels, Graph Data, See all Questions, See all Answers

Temperature Measurements

Buttons: Title and Labels, Graph Data

Temperature Measurements

Buttons: Title and Labels, Graph Data

Bar Graph - Activity 2

3. How many beakers have temperatures less than 10°C?  
 A 1  
 B 2  
 C 3

4. What is the difference in temperature between Beaker A and Beaker D?  
 A 5°C  
 B 10°C  
 C 15°C

Buttons: Title and Labels, Graph Data, See all Questions, See all Answers

3. How many beakers have temperatures greater than 14°C?  
 A 1  
 B 2  
 C 3

4. What is the difference in temperature between Beaker A and Beaker D?  
 A 5°C  
 B 10°C  
 C 15°C

Buttons: See all Questions, See all Answers

## HOW TO USE DYNANOTES SMARTCLINGS: GRAPHS eKIT

- ✓ Each student or cooperative group receives a graph card and a set of clings (on the storage card)
- ✓ The teacher displays the graphing challenge and data set using the CD
- ✓ Students create graphs by choosing the correct clings from the storage card and positioning them correctly on the graphing card template
- ✓ Students check their graphs step-by-step against the CD's solutions:
  - ◆ first, show correct graph template for the assigned graph type (line, bar, circle, or pictograph)
  - ◆ next, display correct titles and labels
  - ◆ last, reveal the graphed data set
- ✓ Once students have checked their graphs, the teacher displays all the extension questions using the CD, hiding the raw data
- ✓ Students must interpret their graphs to correctly answer the extension questions
- ✓ The teacher displays the answers to the questions from the CD
- ✓ Students return the clings from the graph card to the storage card
- ✓ Teacher stores all items in the box