# Famous People: Teacher Notes

## Sunshine State Standards

MA.A 4.3.1

## Math Abilities

Conceptual Knowledge
  Estimation
  Graphing

Procedural Knowledge
  Graph Data
  Estimate

## Process Standards

Problem Solving
Reasoning
Communication
Connections
Representation

## Hook

How well do you know famous people in the news, on television or in the movies?

## Group Arrangement

Students work individually.

## Tools

Graph Paper

## Procedure

1.  The following list contains the names of fourteen famous people. Without talking to anyone, write down your estimate of the age of the person in the X column below. If you do not know the person, make a guess.

| Famous Person | X<br>**Estimated Age** | Y<br>**Actual Age** |
|---|---|---|
| Michael Jordan | | |
| Aaron Carter | | |
| Nancy Reagan | | |
| Mister Rogers | | |
| Justin Timberlake | | |
| Sandra Day O'Connor | | |
| Chelsea Clinton | | |
| Tiger Woods | | |
| Britney Spears | | |
| Michael Jackson | | |
| Jerry Seinfeld | | |
| Sarah Michelle Geller | | |
| Senator Strom Thurmond | | |
| Cher | | |

2.  Look at the attached table and record the ages in the Y column.

3.  How well were you able to estimate the ages of these famous people? To help answer this question, make a scatterplot with your estimate of the age on the horizontal axis and the actual age on the vertical axis.

4.    Where will a point lie if you estimate it correctly?  Draw in the line that represents estimates that are 100% accurate. What is the equation of this line?

5.    What does it mean if a point is above the line?  _____

_____

_____

In general, did you overestimate or underestimate?  _____
How can you tell this from your scatter plot?  _____

_____

## Math Connection

As a result of this activity, students will be able to model the equation y = x.