

## Materials List:

### **Day 1**

- 3-ring binder with 12 dividers (for 12 classes) to keep handouts for the remaining class periods
- Survey (electronic or paper) to collect information from teachers in the class
- 5 rubber bands for notecard organization (below)
- 200 3x5 Notecards
  - 8 mathematical practices pasted on each notecard
  - One set of Common Core statistical standards individually pasted per teacher
  - 50 first names on one notecard each (for dot plot activity)

### **Day 2**

- M&Ms activity (handout) – after today’s class, these will be taken and the data will be recorded into Excel. Keep them to return to students on Day 3.
- Approximately 300 individual bags of M&Ms (note: most cost effective way to do this would be to use snack bags of M&Ms, baggies must have the same number of M&Ms for this activity to work)
- Approximately 300 zip lock sandwich bags (or snack bag if using small bags of M&Ms)
- Valentine’s Day marbles task (homework)

### **Day 3**

- M&Ms activity handout from last class
- Computer & access to StatCrunch.
- StatCrunch data for: Mira Beach and SV Data Loop
- “How Many Have School Spirit” activity sheet 1 and beginning of activity sheet 2
- Mira Beach task (homework)

### **Day 4**

- Text Message data (shared with students)
- School data (shared with students)
- “How Many Have School Spirit” activity sheet 2 completed
- “Who Sends the Most Text Messages?” activity
- Computer & access to StatCrunch
- Mira Beach task continued (homework)

### **Day 5**

- Access to StatCrunch and computer
- 500 pennies, 100 nickels, 50 dimes, and 20 quarters

- Sealable sandwich bags to organize pennies by year
- Penny Data (excel document) shared with students
- Central Limit Theorem activity sheet
- Activity sheet #2: Exploration of the Median

### **Day 6**

- Access to StatCrunch and computer
- Confidence Interval activity sheet
- Big Ideas book 3-5, 9-12
- HW: Sampling Variability Project sheet
- Video recording device
- Math Test Scores data (shared with students)
- Commute Times data (shared with students)
- Voiceover instructions (PPT slide – there are two of them)

### **Day 7**

- Spaghetti for activity
- Long measuring tape (we used 15')
- One golf ball
- HW: Coffee and Crime
- Activity sheets for “What Fits?” #1 and #2

### **Day 8**

- HW: Gas Chromatography
- Activity: Height, Jumps & Sports
- Data in StatCrunch for Height, Jumps & Sports

### **Day 9**

- Data for NFL activity shared in StatCrunch
- HW: Coffee & Crime Continued
- Activities: NFL Quarterback Salaries
  - Used Car Regression

### **Day 10**

- Census at School website
- Access to Excel and StatCrunch

### **Day 11**

- Survey (SurveyMonkey)
- Census at School website
- Voiceover recording device