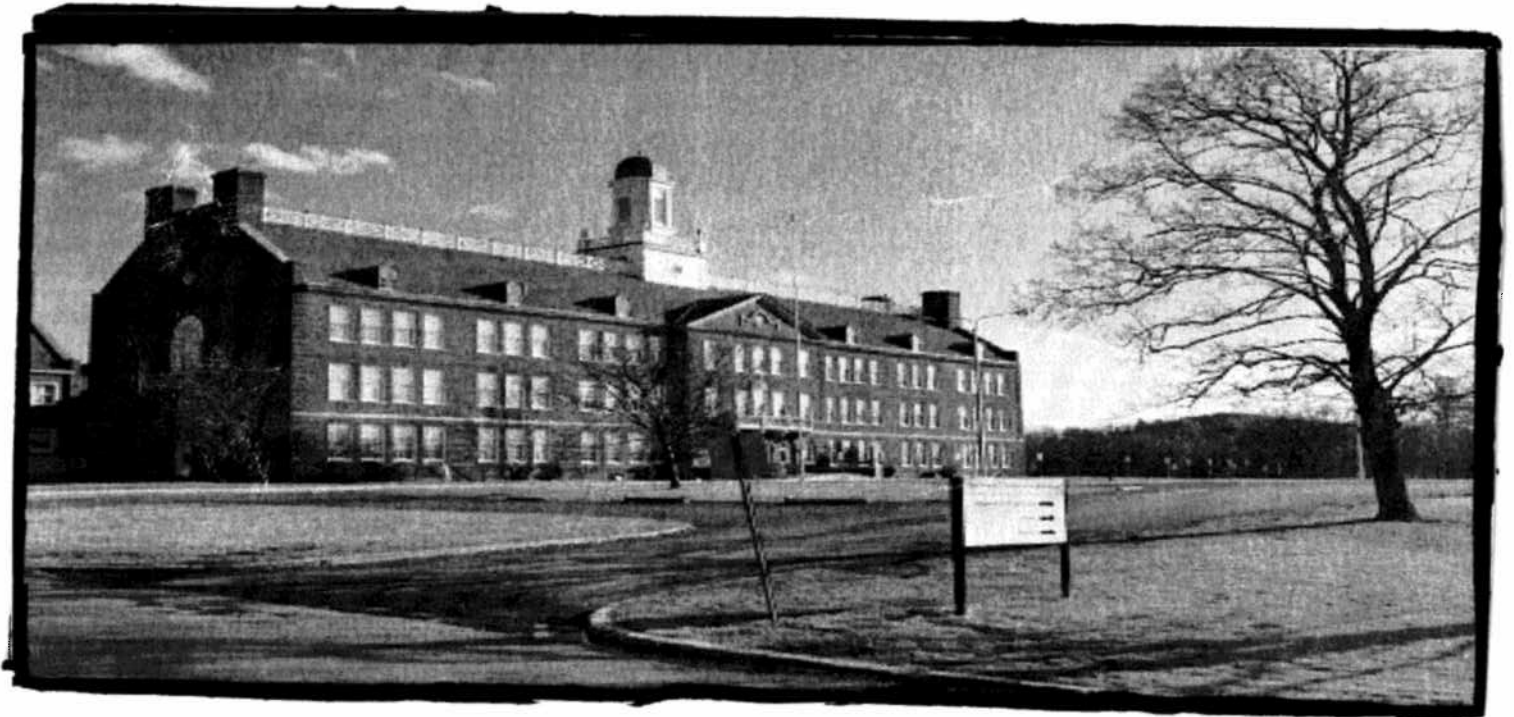


*Winter Edition  
2014-2015*

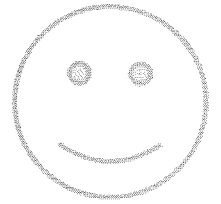
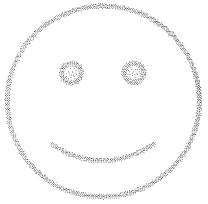
# *Smith Spotlight*

*"By the Students, for the Students"*



*By: Nicolas, Rahim, Olivia,  
Arianna, Reagan & Sydnee*

***The Average Issue**  
(No pun Intended)*



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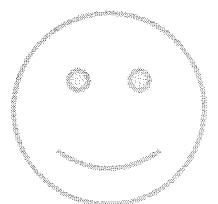
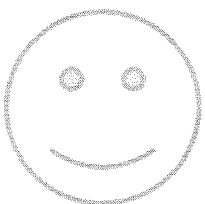
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Dedicated to Mr. Acevedo for bugging us until this was perfect.



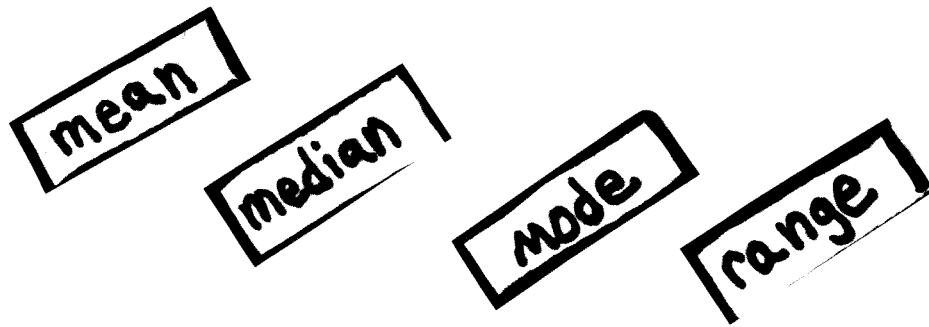
# Average Madness

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Welcome to this year's first issue of Smith Spotlight. Smith Spotlight is MCSIS's magazine where we write about things concerning our school. This issue is mostly about averages in math.

Our 5<sup>th</sup> grade R.T.I. group is working on averages in math. There are many different kinds of averages. In the following articles, we measured four different averages: mean, median, mode, and range.

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We split into different groups to practice measuring averages on three different topics. Each group was working on a different topic. One topic was called "Chubby Bunny," a game where our AmeriCorps workers competed to stuff the greatest amount of marshmallows in their mouth while still saying, "Chubby Bunny" clearly enough so that everyone can hear them.

The other two topics used surveys to collect data from the students at MCSIS. In one survey, the students rated the teachers by their fashion style on a scale from one to ten. The other was a survey where the kids rated a list of free time activities also on a scale from one to ten.



# THE AMAZING CHUBBY BUNNY CHALLENGE

By: Sydnee Cooley-Grossman and Reagan Schlimgen

Our R.T.I group watched our AmeriCorps workers play a game called Chubby Bunny.

These are the steps to playing Chubby Bunny:

1. Shove one medium-sized marshmallow in your mouth
2. Do not chew the marshmallow
3. Say "Chubby Bunny" clearly
4. Keep repeating these steps until no one in your group can understand what you are saying
5. Make sure to take pictures! ;)

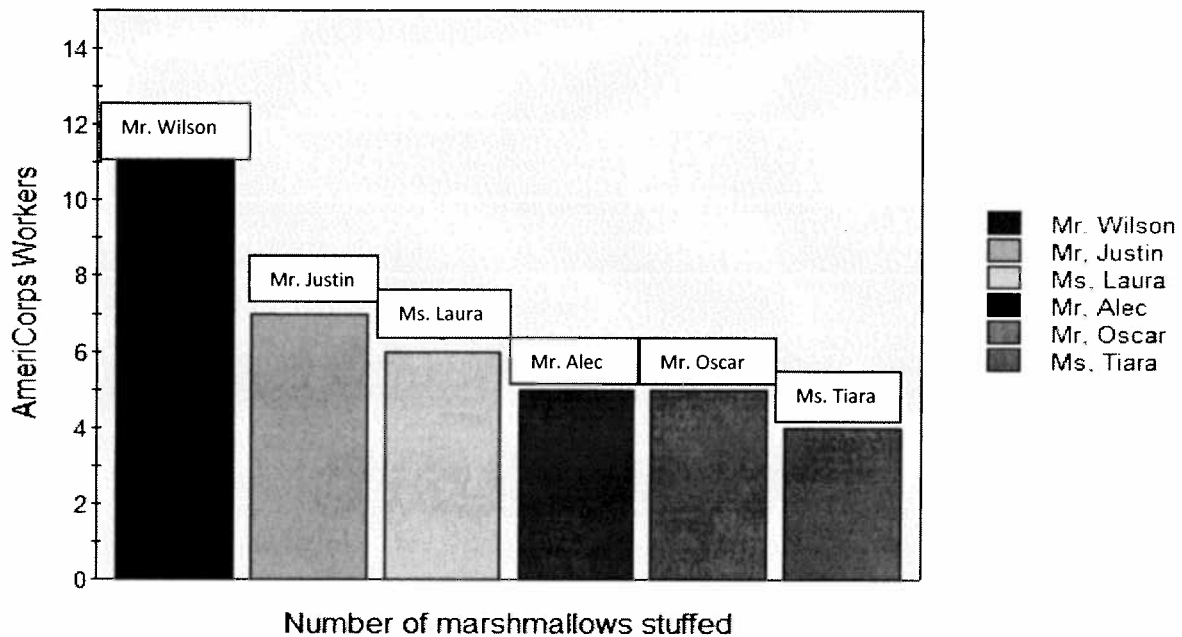
Our hypothesis was that no one would be able to fit more than 15 marshmallows in their mouth at a time and say "Chubby Bunny" clearly.

We recorded our results as you see below:

| Name       | Number of marshmallows stuffed | Total |
|------------|--------------------------------|-------|
| Mr. Alec   |                                | 5     |
| Mr. Justin |                                | 7     |
| Ms. Laura  |                                | 6     |
| Mr. Oscar  |                                | 5     |
| Ms. Tiara  |                                | 4     |
| Mr. Wilson |                                | 11    |

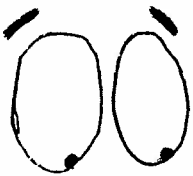
# THE AMAZING CHUBBY BUNNY CHALLENGE

## Chubby Bunny Challenge



Since the mean is considered the “true average” we have come to the conclusion that  $6 \frac{1}{3}$  is the average number of marshmallows our AmeriCorps workers can stuff in their mouths. Even though our hypothesis was correct we thought that more of the AmeriCorps workers would get closer to 15 marshmallows.

We recorded each of their scores and, other than figuring out the mean, we found other ways to describe our data. Those ways are median, mode, and range.



We loved conducting this experiment. It was hilarious!

See page 4 for instructions on mean, median, mode, and range.

The mean is one type of average. To figure out the mean you have to add all the numbers up. Then, count how many numbers you have and divide the total by that number.

$$\begin{array}{r}
 5 \\
 10 \\
 5 \\
 7 \\
 1 \\
 1 \\
 \hline
 38
 \end{array}$$

There are 6 numbers (addends.) Add them.

Use the sum as the dividend.

The total number of addends is the number you are dividing by (divisor.)

The quotient is your mean.

$$\begin{array}{r}
 6 \overline{) 38.0} \\
 \underline{36} \phantom{0} \\
 20 \\
 \underline{18} \\
 2
 \end{array}$$

The median is another kind of average. It is the middle number. If you end up with two numbers in the middle, you add them together and divide that number by two. The number you get is the median.

Cross out one number from each side.

In this problem there are two numbers in the middle. So, we add them together and divide by two. That leaves us with one number in the middle.

~~4~~, ~~5~~, 5, 6, 7, ~~11~~

$$\begin{array}{r}
 2 \overline{) 11.0} \\
 \underline{10} \phantom{0} \\
 10 \\
 \underline{10} \\
 0
 \end{array}$$

Median = 5.5

$5 + 6 = 11$

4

The mode is the number that appears the most. If each number only appears once, then you can't have a mode.

The mode is the number that you see the most.

Example: 5, 7, 6, 5, 4, 11

List the numbers from least to greatest.

4, 5, 5, 6, 7, 11

Mode: 5

The range is the difference between the largest and the smallest number. To find the range you have to subtract the smallest number from the largest number.

Numbers: 4, 5, 5, 6, 7, 11

The range is the lowest number subtracted from the highest number.

$$\begin{array}{r} 11 \\ - 4 \\ \hline 7 \end{array}$$

Range= 7

# TERRIFIC TEACHERS

By Olivia Plaia and Arianna Camacho

Our R.T.I. group wanted to find out who the students thought were the most **FASHIONABLE** teachers. We gave a survey to four kids in each class. With our results we found the mean, or the true average, for each teacher's score. For the highest scoring teachers, we also found the median, mode, and range.

The winning teachers are, drum roll please.....



3<sup>rd</sup>

Mrs. Wheeler

*Ms. Wheeler wheeled her way to the top!*

With a mean score of 8.6, a mode score of 10, a median score of 9.5 and a range score of 7.

4<sup>th</sup>

Mrs. Huemmer

*Mrs. Huemmer won with her sense of humor!*

With a mean score of 7.9, a mode score of 7, a median score of 7.5 and a range score of 6.

5<sup>th</sup>

Mrs. Clark

*For Mrs. Clark winning was a walk in the park!*

With a mean score of 8.8, a mode score of 10, a median score of 9 and a range score of 5.

6<sup>th</sup>

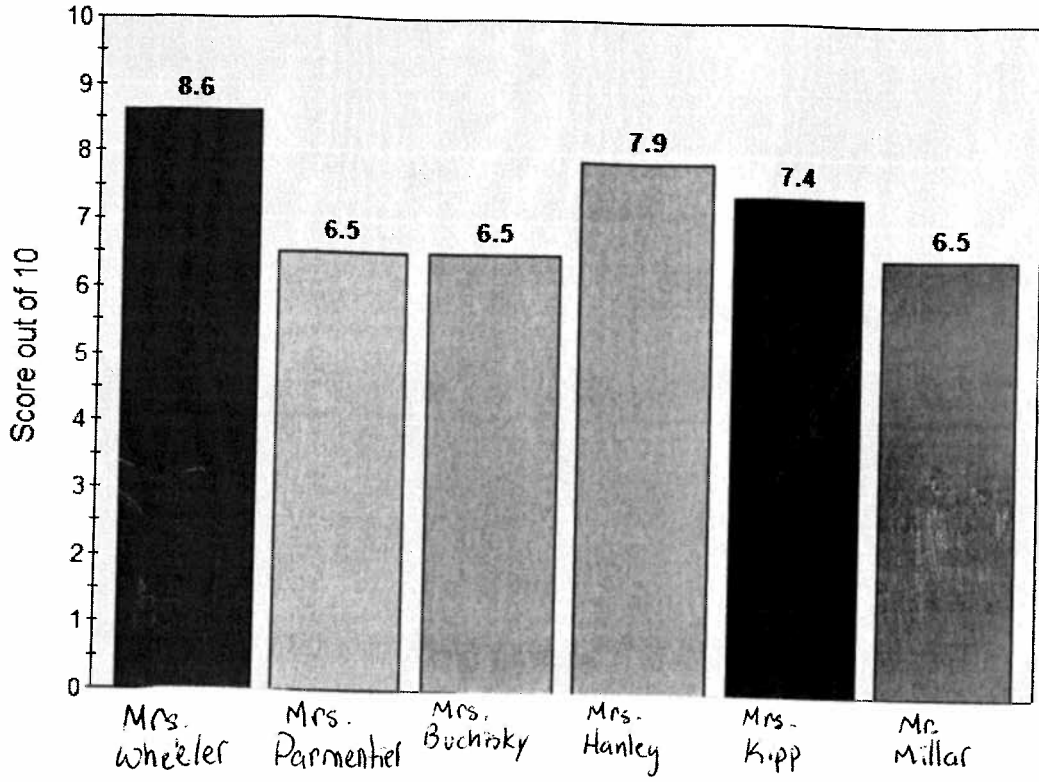
Mr. Super

*Mr. Super did a super job!*

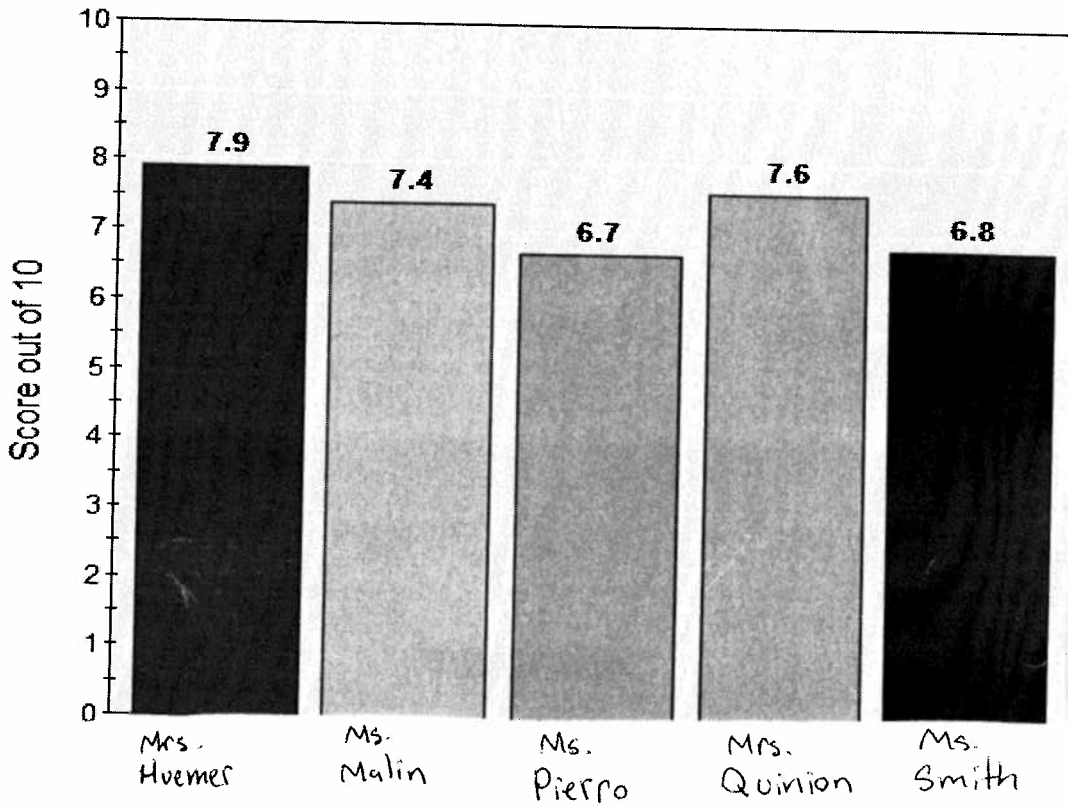
With a mean score of 8.8, a mode score of 10, a median score of 9 and a range score of 6.



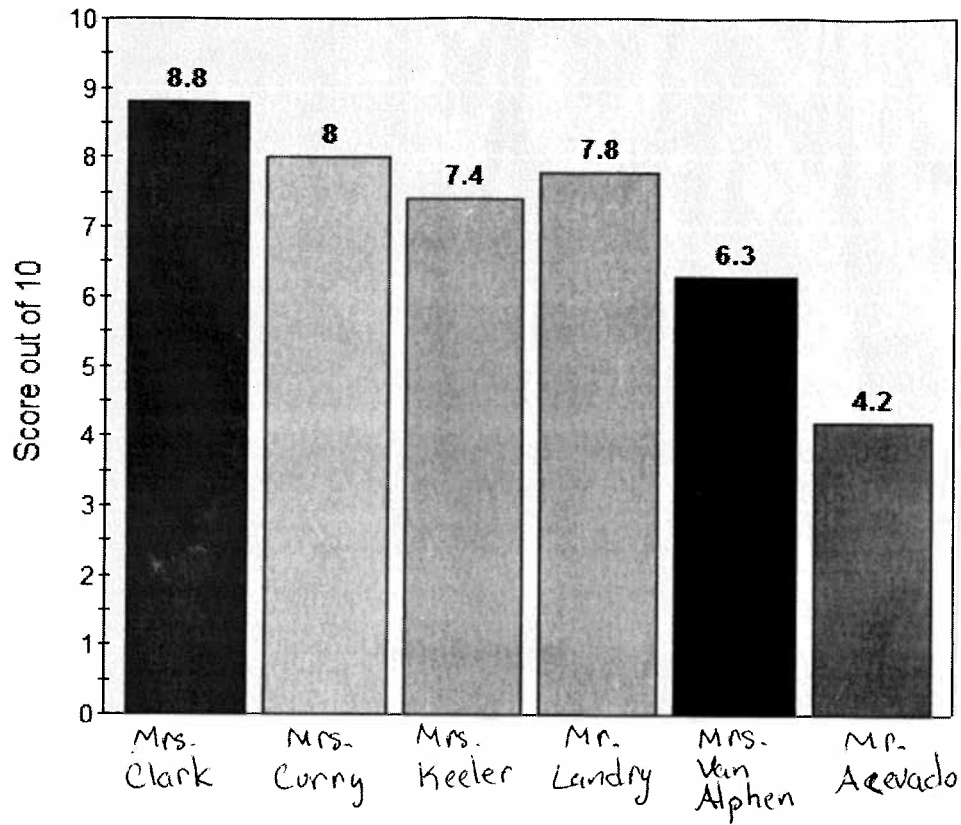
### 3rd Grade



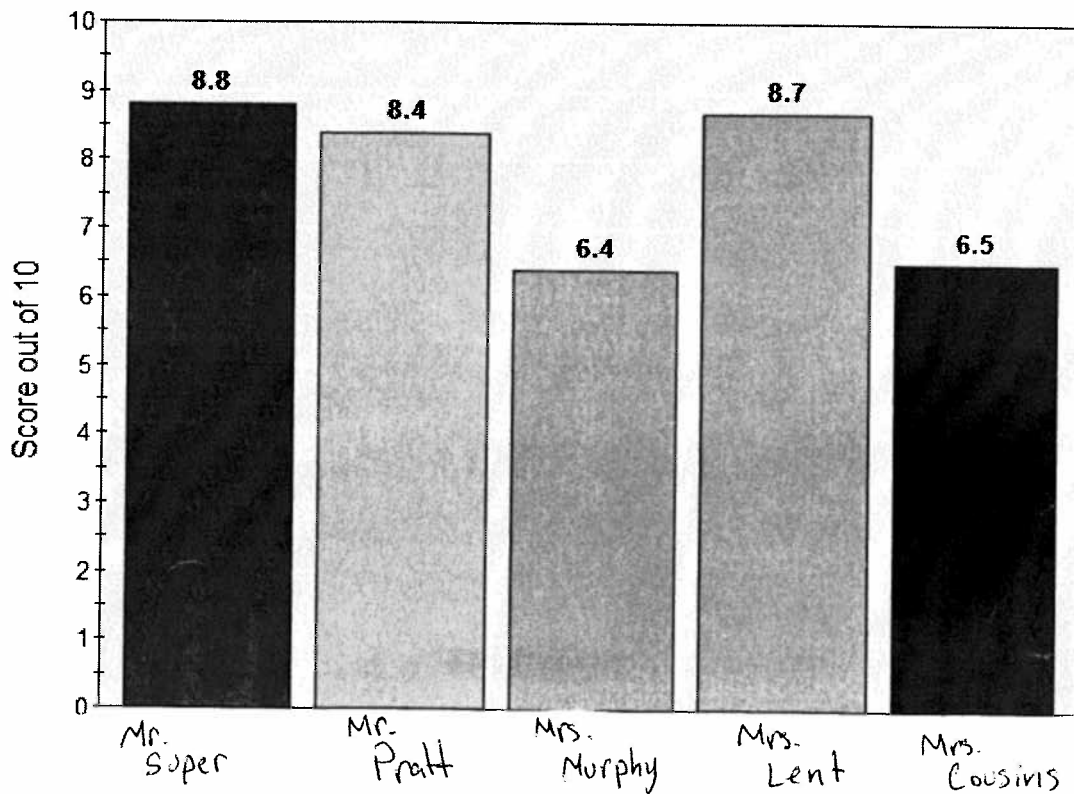
### 4th Grade



## 5th Grade



## 6th Grade



# **FAVORITE FREETIME ACTIVITIES**

*By Rahim Wali & Nicolas Scali*

## **Introduction**

We decided to make a survey about MCSIS students' favorite free time activities. We asked four MCSIS students from every single class to rate their favorite free time activities on a scale from one to ten. One being "I never enjoy doing it" and ten being "I really enjoy." There were seven activities to choose from and they were: surfing the internet, hanging out with friends, sports, playing outside, watching TV, video games, and reading.

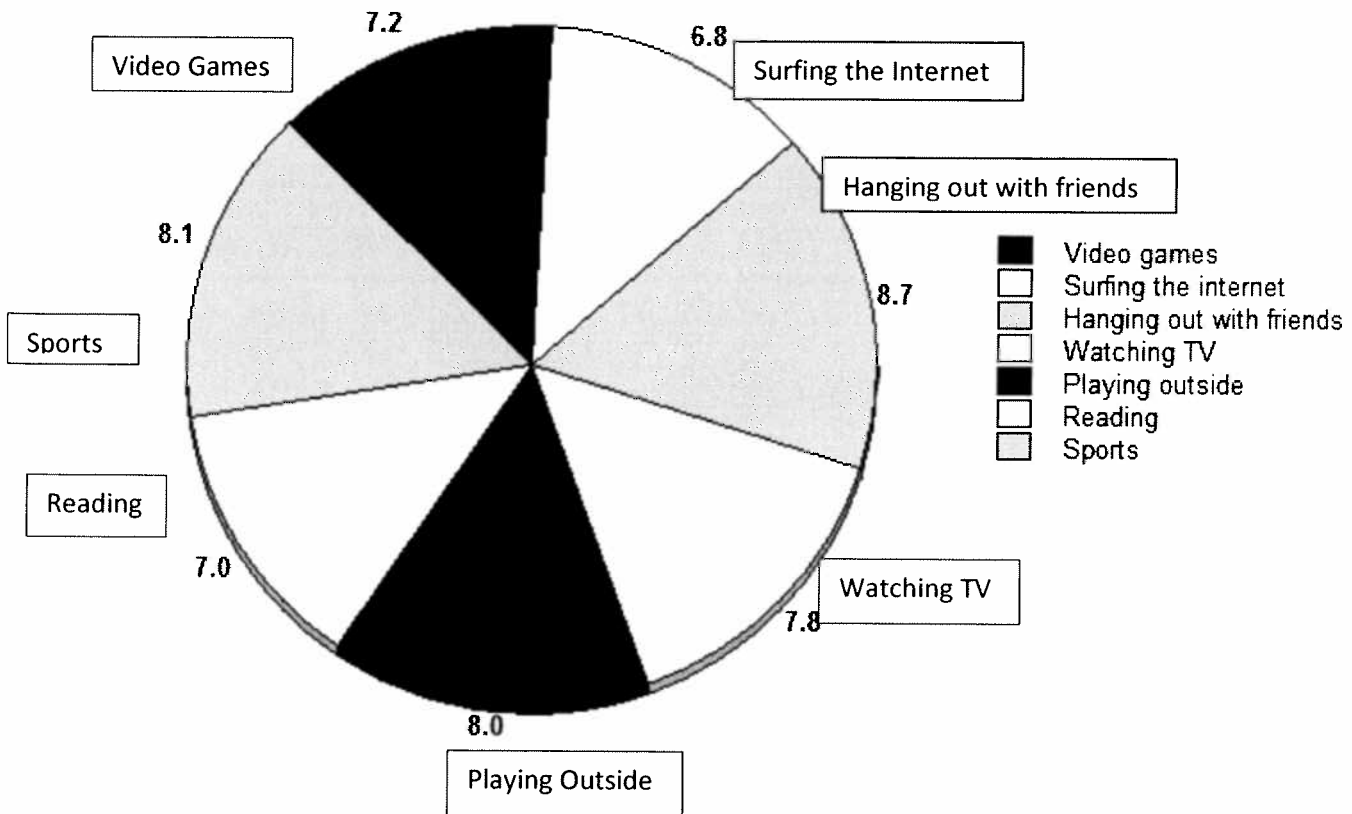


## **Discussion**

While we were looking at the data from the surveys, we realized that some people didn't follow all the directions. Some students didn't circle just one number; they circled two or more numbers for their answer.

We were surprised that the least liked activity was "surfing the internet." We were surprised because most kids like to go on the internet. Finding the median, mode, and range of the data was easy. It was a lot of work finding all the data points but at the same time, it was fun.

## The mean for MCSIS students' favorite free time activities



### Results

The mean for:

- "Surfing the internet" was 6.8.
- "Hanging out with friends" was 8.7.
- "Sports" was 8.1
- "Playing outside" was 8.0.
- "Watching TV" was 7.8
- "Video games" was 7.2.
- "Reading" was 7.0.

The mean is one type of average. To figure out the mean you have to add all the numbers up. Then, count how many numbers you have and divide the total by that number. With all this information we now know what MCSIS students do in their free time. The lowest rated activity was "surfing the internet." The highest rated activity was "hanging out with friends."

☺ Olivia

☺ Arianna

☺ Sydney

Thank you for reading Smith  
Spotlight!



☺ Rahim

☺ Nicolas

☺ Beagan