

Welcome to Grade 7!

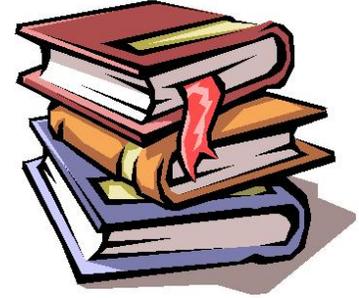
June 2018 • PS/IS 104 • The School of Civic Leadership and Responsibility

7th Grade Expectations:

- Be here/on time!** Attendance, timeliness, and participation is important to every lesson.
- Be ready!** Come to class with all required supplies and homework, ready to learn.
- Be respectful!** Use appropriate language, tone, and manners when interacting with all teachers, staff, and peers.
- You are expected to read every night.** Good readers make good writers, and you will use your expert reading and writing skills across all disciplines.

Dear students,
Congratulations on another successful year! We welcome you into 7th grade and look forward to working with you. In order for you to prepare, please review this packet carefully, as it contains your supply list and summer assignments from your major subject teachers.

Please bring the supplies below and your summer assignments on the first day of school.



Enjoy your summer, and we look forward to meeting you in
September

Necessary Supplies: Please replenish supplies throughout the year	
Homeroom Supplies	Class Supplies
<ul style="list-style-type: none"> • 1 pkg loose leaf • 1 roll of paper towels • 1 packages of copy paper • 1 package eco-friendly wipes • 2 boxes of tissues 	<ul style="list-style-type: none"> • 1 assignment pad or agenda • 5 marble notebooks- ELA, Math, Social Studies, Science, and Science Lab • 4 folders- ELA, Math, Science, and Social Studies • 1 package of pens • 1 package of #2 pencils w/ erasers • 1 pencil sharpener w/cover • 1 package of assorted highlighters (pink, blue, yellow, green, and orange) • 1 package of loose leaf • Kid scissors • 1 pkg glue sticks • 1 pkg scotch tape • 1 pkg colored pens/pencil • 1 pkg Post-It Notes

Name: _____

Class: _____

P.S./I.S. 104 The Fort Hamilton School

English 7

7th Grade Summer Reading Assignment

All incoming 7th grade students are required to read one fiction and one nonfiction title from the list. A reading log must be completed for each of the two books and submitted to your ELA teacher in September.

Fiction	Nonfiction
<ul style="list-style-type: none"> -Chains by Laurie Halse Anderson -Slam by Walter Dean Myers -Between Shades of Gray by Ruta Sepetys -Never Fall Down by Patricia McCormick -Enders Game by Orson Scott Card -The True Confessions of Charlotte Doyle by Avi -The 5th Wave by Rick Yancey -The Contract by Derek Jeter -Walk Two Moons by Sharon Creech -Alice in Wonderland by Lewis Carroll -The Looking Glass Wars by Frank Beddor -Wonder by Raquel J. Palacio -Baseball Genius by Derek Jeter and Tim Green -War of the Worlds by H.G. Wells -The Hobbit by JRR Tolken -Dark Water Rising by Marian Hale -Elsewhere by Gabrielle Zevin -Where the Red Fern Grows by Wilson Rawls -Treasure Island by Robert Lewis Stevenson -When You Reach Me by Rebecca Stead -A Tree Grows in Brooklyn by Betty Smith -And Then There Were None by Agatha Christie -Out of My Mind by Sharon M. Draper -Every Soul a Star by Wendy Mass -My Brother Sam is Dead by James Lincoln Collier -Endangered by Eliot Schrefer -Counting by 7's by Holly Goldberg Sloan 	<ul style="list-style-type: none"> -Witches: The Absolutely True Tale of Disaster in Salem by Rosalyn Schanzer -Phineas Gage: A Gruesome but True Story About Brain Science by John Fleischman -The Boys Who Challenged Hitler by Phillip Hoose -Behind Rebel Lines by Seymour Reit -Chicken Soup for the Teenage Soul by Jack Canfield -Brown Girl Dreaming by Jacqueline Woodson -Chasing Lincoln's Killer by James L. Swanson -Team Moon: How 400,000 People Landed Apollo 11 on the Moon by Catherine Thimmesh -No Better Friend: Young Readers Edition by Robert Weintraub -The Flags of Our Fathers: Heroes of Iwo Jima (A Young People's Edition) by Michael French -Bootleg: Murder, Moonshine, and the Lawless Years of Prohibition by Karen Blumenthal -Flesh & Blood So Cheap: The Triangle Fire and It's Legacy by Albert Marrin -The Secret of the Yellow Death: A True Story of Medical Sleuthing by Suzanne Jurmain -A Young People's History of the United States: Columbus to the War on Terror by Howard Zinn and Rebecca Stefoff -An American Plague: The True and Terrifying Story of the Yellow Fever of 1793 by Jim Murphy





Name:

7th Grade Math Summer Assignment

Due: Wednesday, September 5, 2018

Dear Parents and Students,

Below please find your summer assignment for 7th grade math. This material will serve as reinforcement of what you learned in your 6th grade math class and a foundation for what we will learn in 7th grade.

Show all work in the space provided for each question.

Thank you,
Mrs. Cognato

1)	Zena drove 240 miles at a constant speed. If it took her 4.5 hours, how fast was she driving? Answer:
2)	Patricia paid \$584 for 8 nights at a hotel. Find the cost per night. Answer:
3)	Valerie sold 6 tickets to the school play and Mark sold 16 tickets. What is the ratio of the number of tickets Valerie sold to the number of tickets Mark sold? Express your answer in simplest form. Answer:
4)	The fuel for a chainsaw is a mix of oil and gasoline. The label says to mix 5 ounces of oil with 15 gallons of gasoline. How much oil would you use if you used 45 gallons of gasoline? Answer:
5)	A stack of blocks is 12.3 inches tall. If there are 10 blocks stacked one on top of the other, how tall is each block? Answer:

<p>6) Each student needs a pencil and an eraser to take a test. If pencils come 8 in a box and erasers come 12 in a bag, what is the least number of boxes and bags needed for 24 students to each have a pencil and an eraser?</p> <p>Answer:</p>										
<p>7) Find the quotient $7\frac{1}{6} \div \frac{5}{9}$</p> <p>Answer:</p>										
<p>8) Find the product 4.7×4.75</p> <p>Answer:</p>										
<p>9) Carla is building a table out of boards that are 4.25 inches wide. She wants the table to be at least 36 inches wide. What is the least number of boards she can use?</p> <p>Answer:</p>										
<p>10) Monty is cutting 45 streamers into pieces that are each $5\frac{2}{5}$ feet long. If the streamers are laid end to end, how far will they stretch?</p> <p>Answer:</p>										
<p>11) Write an expression for the missing value in the table</p> <table border="1" data-bbox="474 1577 1172 1768"> <thead> <tr> <th>Tom's Age</th> <th>Kim's Age</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>14</td> </tr> <tr> <td>12</td> <td>15</td> </tr> <tr> <td>13</td> <td>16</td> </tr> <tr> <td>A</td> <td>?</td> </tr> </tbody> </table> <p>Answer:</p>	Tom's Age	Kim's Age	11	14	12	15	13	16	A	?
Tom's Age	Kim's Age									
11	14									
12	15									
13	16									
A	?									

12)	A plant's height is 1.6 times its age. Write an equation to represent this situation. Let h = plant's height and y = plant's age. Answer:
13)	A driveway is 162 feet long, 6 feet wide and 4 inches deep. How many cubic feet of concrete will be required for the driveway? Answer:
14)	Taryn tries to volunteer 6 hours each week at the animal shelter. Last week she worked $1\frac{1}{2}$ hours on Tuesday and 3.75 hours on Thursday. By how much did she fall short of her goal last week? Answer:
15)	In a fish tank, $\frac{6}{7}$ of the fish have a red stripe on them. If 18 of the fish have red stripes, how many total fish are in the tank? Answer:
16)	Solve the equation. $s + 2.8 = 6.59$ Answer:
17)	A team won 11 of its last 25 games. What percent of its games did the team win? Answer:

18) Kerri's middle school has 650 students. The elementary school Kerri attended has 76% as many students as her middle school, and the high school in her town has 2.3 times as many students as her middle school. How many students attend Kerri's elementary school?

Answer:

19) Major league baseball teams play 162 games a year. To make the playoffs a team must win 60% of its games. The Yankees won 78 games last year. Did the Yankees make it to the playoffs?

Answer:

20) Grandma's cake recipe calls for 2 cups of flour and 3 ounces of oil. How many ounces of oil would be needed for 15 cups of flour?

Answer:

7th Grade Summer Reading Assignment

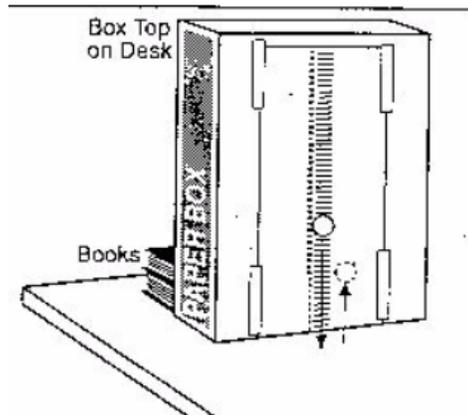
Directions: Please complete the following assignment, and bring it with you on the first day of school. The purpose of these tasks is to help you get acquainted with the topics/vocabulary for our first unit of study *Think Like a Scientist*.

Task 1- Conduct an Experiment**Directions**

Task: You will be measuring the effect of height on the bounce of a ball.

Materials:

- One ball (basketball, Ping-Pong, tennis ball, handball- it's up to you!)
- One ruler that measures centimeters
- Calculator

**Before you begin:**

1. Make a **hypothesis** predicting how the height of the ball will affect how high the ball will bounce:

2. Identify the **independent variable** in the experiment: _____

3. Identify the dependent variable in the experiment: _____

4. Identify the variables that should remain constant (the same) when conducting the experiment:

5. Set up your materials so that you will be able to measure the height of the ball after it bounces. A possible setup using boxes and paper is shown on the right. (You can get creative here, as long as your setup works and you use the same setup for the entire experiment.)

6. Before you begin your task, practice releasing the ball from any point on the scale and determine the height to which it bounces. The "height of bounce" is the distance from the table top to the bottom of the ball on the first bounce. (Practice a few times to make an accurate observation.)

7. Your task: Hold the ball near the scale on the box so that the bottom of the ball is level with the 10 centimeter mark. Release the ball and observe how high it bounces.

8. Record the height that the ball bounced in trial 1 on the data table. Round your answer to the nearest whole number of centimeters.

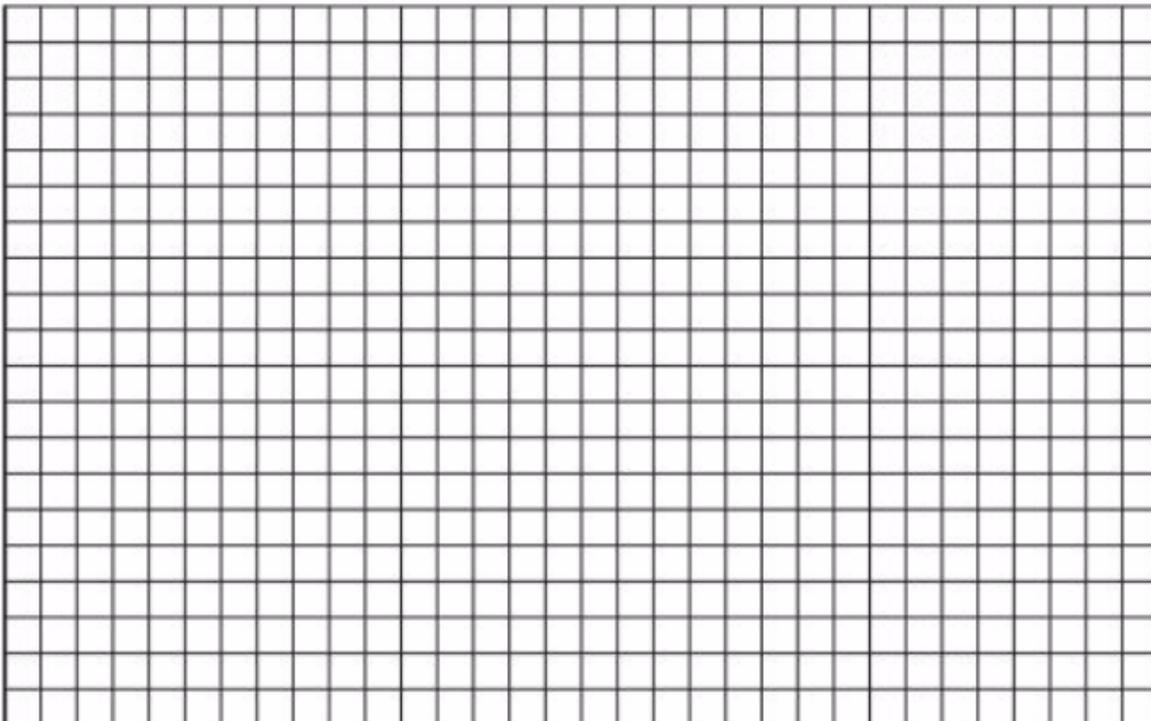
9. Repeat steps 3 and 4 for release heights of 20 cm, 30 cm, and 40 cm

Data Table: Height of Bounce (in cm)

Height of Release	Trial 1	Trial 2	Trial 3	Average
10 cm				
20 cm				
30 cm				
40 cm				

10. Use the average data from your data table to construct a graph on the grid below. Connect the points to make a line graph.

Title: _____



Task 2-Analyze Data

11. Based on your observations, describe the relationship between the height of release and the height of bounce of a ball.

12. If you were able to bounce this ball from a height of 60 cm, how high (in centimeters) would you predict that the ball would bounce?

13. In the space below, explain how you used your data to make this prediction.

Task 3-Evaluate an Experiment

Emily conducted an experiment in which she put a ping pong ball in the freezer, and then tested how high it bounced when dropped from a height of 2 meters. The results from her experiment are listed in the tables below.

Ping Pong ball in freezer	Height Bounced	Ping Pong ball room temp	Height Bounced
<i>Trial 1</i>	100 cm	<i>Trial 1</i>	88 cm
<i>Trial 2</i>	110 cm	<i>Trial 2</i>	90 cm
<i>Trial 3</i>	112 cm	<i>Trial 3</i>	97 cm
<i>Average:</i>	107.3 cm	<i>Average:</i>	91.6cm

14. What is one follow up question Emily could ask based on the results of this experiment?

12. What are 3 possible sources of error in this experiment?

Social Studies Summer Assignment

Background: The Age of Exploration was a period from the 15th century to the 17th century in which Europeans traveled the world in search of goods, raw materials, land, and trade partners.

Task: You will create an Explorer Brochure that guides the reader through the life and achievements of a specific European Explorer. This brochure must include researched information (historical facts) as well as images (visuals: portraits, maps, etc.).

Explorers (Pick one): Amerigo Vespucci, Christopher Columbus, Ferdinand Magellan, Francis Pizarro, Giovanni De Verrazano, Henry Hudson, Hernan Cortes, Jacques Cartier, John Cabot, Vasco da Gama, Bartolomeu Dias

Information to Research: *You must include each subtitle in your brochure* You can include more information that is listed below.

1. Biography—What was your explorer’s year of birth and death? How did he learn to be a sailor? Why did he become a sailor? Where was the explorer from originally (homeland)? Did he die during an expedition?
2. Sponsoring Countries—For what country did he explore? Why did your explorer sail for that country? Who was the ruler of the sponsoring country?
3. Journeys and Discoveries—Where did he explore? What years did he explore? How long was his voyage(s)?
4. Immediate Impact—How did your explorer’s discovery affect the area that he discovered? (Native Americans, land, religion, etc.) How did the new goods (foods and natural resources) impact Europe and the world? How did his exploration help his sponsoring country?
5. Today’s Connection—How did the Age of Exploration impact the world today? Is there anything named in honor of your explorer?

Instructions: Fold a piece of BLANK (UNLINED—8 ½ x 11) paper into three columns. Follow the example below for your layout. You can create your own layout, but the back column must be for your name and resources. Remember to include images in your informative brochure.

Side One

<u>Immediate Impact</u>	Name:	<u>Title:</u> Name of Explorer
<u>Today’s Connection</u>	Class:	Picture of Explorer
Pictures	Resources (at least 3)	

Side Two

<u>Biography</u>	<u>Sponsoring Countries</u>	<u>Journeys and Discoveries</u>
Pictures	Pictures	Pictures