

2011 Summer Project Assignments  
for students entering Grade 6

**All students must do 1 mathematics project,  
1 science poster project  
and  
1 reading project from the following selections:**

**Reading Selection Options:**

Mrs. Frisby and the Rats of NIMH by Robert C. O'Brien

A Single Shard by Linda Sue Park

Rules by Cynthia Lord

Joey Pigza Swallowed the Key by Jack Gantos

On My Honor by Marian Dane Bauer

The Egypt Game by Zilpha Keatley Snyder

The Midwife's Apprentice by Karen Cushman

The Invention of Hugo Cabret by Brian Selznick

Gossamer by Lois Lowry

Number the Stars by Lois Lowry

Important tip: If you begin a book and it's not your style, please pick another choice. Remember, it's easier to write about a summer reading story that you enjoyed!

**Reading Project:**

- Create a cover page for your report including your name, the date you finished it, Grade 6 and St. Peter Central Catholic. Make sure the Title of the Book and the Author are clearly stated on the cover. Finally, create a drawing of one or several pictures that you think represent important parts that you are retelling. DO NOT COPY the cover of the book. It's not art class, but do make it neat.
- Create **a 5-paragraph review** about the problem that a major character in the book had to solve and how that character changed as a result of the challenges she or he encountered. Within these 5 paragraphs I should also be able to tell what you thought about the story and to what type of person you would recommend the book and why.

**Mathematics Project:**

You may choose to do **one** of the two following options:

1. You may create one mathematics game to be demonstrated in the classroom. Games should be for 2 – 4 players and include operations that you have already acquired in previous years. (multiplication, division, decimals, fractions, etc.) Suggestions might include bingo format, baseball game format, connect four formats, or other formats that you might have acquired in your past experience that you found were helpful to master a previous math skill. Remember to add your name and provide clear directions and rules about how to play the game.

## **Mathematics Project (continued):**

2. **Or** you may choose to create 10 word problems that demonstrate your grade level of experience. These should be word problems about everyday math problems that adults encounter in their world. (For example: How many miles did you get on that last tank of gasoline you bought? How much did it cost per mile? How many hours did you have to work to buy that special item you wanted if you babysat and got paid a certain amount of money per hour?) Write them clearly, so that someone else can solve them, and remember to provide your work and the correct answers

## **Science Poster Project: (We are looking forward to proudly displaying your poster on our bulletin boards for everyone; therefore please use half-size bulletin boards and no stand-up displays.)**

We begin the school year with Environmental Science. This year your poster presentation should be on habitats or biomes. You can do your research from books or the internet, but you need to write down and pass in to the teacher where you got your research material from.

**Option 1:** Create a poster showing the details about 3 different habitats (*the place where an organism lives that provides the things it needs*) in your neighborhood. Then **write summary captions that demonstrate your knowledge** about how each picture relates to the particular organisms needs being met in that habitat. Organisms include all living things.

**OR**

**Option 2:** Create a poster about 3 different biomes and describe the differences within these different biomes. (Examples of land biomes include desert, rain forest, deciduous forest, boreal forest, tundra, and grassland, while marine biomes include estuary, inter-tidal zone, neritic zone, surface zone and deep zone.) Then **write summary captions that demonstrate your knowledge** about the differences you've depicted in each of the 3 biomes. (These could include climate, rainfall, soil, what type of vegetation and animal life, adaptations of these organisms so they can survive, etc.)

### **Questions you need to ask about evaluating each of your 3 assignments:**

- Is it neat, quality work? Does it show you're proud of your accomplishment?
- Did you clearly give your projects a title?
- Is the your name **clearly and neatly identified** as the creator on all written and visual assignments?
- Did you follow all of the rules stated for each assignment?
- Are your visual scenes **clearly identifiable –with captions—that add to the understanding of the project?**
- Was it on time? **Assignments are all due on the first day of school. Late assignments lose 10 points each for each day late.**

Have fun! Show us what you know!