The Miscalculations of Lightning Girl,

by Stacy McAnulty



Summer Work Assignments

Due Date: Thursday, September 3, 2026

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Name: _____

Welcome to One Book, One School

2026-2027

June 2026

Dear Rohrer Middle School Families,

RMS is pleased to announce that we will be participating in a One Book, One School program again for the 2026-2027 school year!

One Book, One School is a program designed to create a shared reading experience within a school community. When an entire school reads the same book, the buzz and excitement around the book augments these benefits. Reading a book together brings the added joy of building and expanding a sense of community among students, parents, teachers, and staff – and beyond.

This year, all RMS students will read the book The Miscalculations of Lightning Girl, by Stacy McAnulty over the summer. After reading, students should be prepared for the following:

- **To complete the ELA and Math assignments in this packet, to be turned in the first day of school.**
- **To use the book to complete a graded writing assignment in their ELA class within the first two weeks of school.**

Additionally, students can plan to discuss the book when they return to school in September, and they can look forward to school-wide activities such as discussions, crafts, an author visit, an author luncheon, and more. Our school-wide expectation for all students is that they will read the book over the summer in order to start the school year prepared and excited to learn.

If you wish to purchase a copy of The Miscalculations of Lightning Girl from RMS, the book sale runs Monday, 6/1 through Friday, 6/12. The cost is $8 per book. Books are sold in the Media Center. Cash is preferred. All students who will be in 6th grade next year will receive the book as a gift from the PTA.

Please direct any questions to Mrs. Amanda Tagmire at atagmire@htsd.us.

Sincerely,

Mrs. Amanda Tagmire, library media specialist
Mr. Andrew Swiecicki, RMS principal
Mrs. Christine Hubbert, RMS assistant principal

Directions:



The Miscalculations of Lightning Girl
ELA Notes Guide



This chart will be used in your ELA class within the first two weeks of school. You will use it to write a graded writing assignment.

(1) Using your book, find some passages that identify Lucy's feelings about both East Hamlin Middle School and North Carolina Academy of Science, Math and Engineering. You may want to save those passages with post-its or highlight the passages.

(2) In each row, handwrite one observation Lucy makes about the school. There should be one observation per row.

Observation #	Observation (a summary or directly copied) Circle the school the observation is about:	Found on page number	Circle the school the observation is about:
Example	The math classroom is welcoming and includes funny posters, banners and is clean.	34	East Hamlin MIddle School NCASME
1			East Hamlin MIddle School NCASME
2			East Hamlin MIddle School NCASME

3			East Hamlin MIddle School NCASME
4			East Hamlin MIddle School NCASME
5			East Hamlin MIddle School NCASME

The Miscalculations of Lightning Girl Mathematics Summer Activities

Channel your inner Lucy Callahan (Lightning Girl)! Choose and complete at least THREE (3) activities from the board below while you read or after finishing the book. Aim for a Tic-Tac-Toe (three in a row horizontally, vertically, or diagonally) or challenge yourself to complete as many as you can! Use the attached paper to show your work.

1. Home Synesthesia Hunt

NUMBER SENSE

Lucy experiences numbers as vibrant colors and distinct characters.

Find 5 numbers around your house (clocks, food labels, sizes). Create a "Lucy Profile" for each: What color does it feel like? Is it calm or chaotic? Is it a hero or a villain? Write down your reasoning!

2. Prime Number Routine

OPERATIONS & PATTERNS

Lucy counts by prime numbers to soothe anxiety and stay perfectly focused.

Design a rapid home workout routine using *only* prime numbers (2, 3, 5, 7, 11, 13, 17, 19...) for your targets. (e.g., Do 7 jumping jacks, a 13-second plank, and read for 19 minutes). Perform your routine!

3. "Pi" Data Tracker

DATA & STATISTICS

Lucy passionately tracks shelter data to help dogs get adopted, and names her own pup Pi.

Track a household variable for 2 hours in 30-minute blocks (e.g., how many times a pet makes noise, the fridge is opened, or a phone buzzes). Calculate the mean (average) per half-hour and summarize your data.

4. Lightning Estimation

MEASUREMENT & ERROR

Lucy's brain computes logic instantly. Train your capacity for rapid structural estimation.

Test yourself on 3 household targets (e.g., paces from your bed to the front door, seconds to drink a cup of water). Record your quick estimate, measure the true reality, and calculate the exact difference.

5. Book Review by Numbers

FRACTIONS & RATIOS

Lucy filters her entire world through a beautiful lens of metrics and numerical data.

Write a concise summary review of the novel using exactly 5 specific numbers or fractions (e.g., "I give it 5 stars; it has 3 main friends; it took me 6 days to read; 2/3 of the book made me laugh"). Circle your data points!

6. Pet Shelter Architect

GEOMETRY & AREA

Lucy can imagine new layouts to ensure the shelter animals remain healthy and active.

Draw a blueprint layout for an ultimate dream dog foster room. It must have an area of exactly 48 square units. Map out specific zones for sleeping, playing, and eating. Find the final perimeter of your room.

7. Fibonacci Nature Walk

ALGEBRAIC SEQUENCES

Lucy constantly spots elegant mathematical sequences hidden in plain sight.

Go outside or look closely at house plants to spot the Fibonacci sequence (1, 1, 2, 3, 5, 8, 13...). Sketch and label natural items that reflect these numbers (such as leaf configurations, flower petals, or pinecone spirals).

8. The Lightning Round

MENTAL MATH AGILITY

Lucy solves complex mathematical equations in a fraction of a second.

Write out 10 challenging mental math flashcards (multiplication extensions, perfect squares, or multi-step operations). Time exactly how fast you can solve them all mentally. Challenge a family member to beat your time!

9. Lucy's Secret Cipher

CODING & ALGEBRA

Lucy loves cryptography, system logic, and structural rules.

Invent a mathematical rule cipher. Example: multiply alphabetical position by 2, then subtract 1). Encrypt a secret plot message about the book, and challenge a friend or family member to decode it using your explicit formula.

Based on the novel *The Miscalculations of Lightning Girl* by Stacy McAnulty © 2026 Math Literacy Initiatives

Choice Board created by Ms. Aileen Fallon, Grade Six Teacher of Mathematics at Rohrer Middle School.

Choice Board Activity Number: _____

Activity Title: _____

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