Teacher Promises and Student Expectations

- **Take 2 minutes to discuss this at your table.**
- **Hang on to this sheet - we will put it in our notebook today**

I promise to:

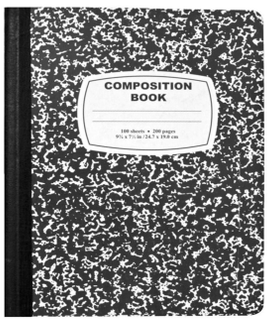
- Establish clear learning targets
- Select challenging problems and tasks that teach you to think for yourself
- Encourage the use of different methods
- Encourage the use of multiple representations of ideas
- Engage students in meaningful discussions
- Ask questions that build on student thinking
- Allow appropriate wait time
- Build procedural fluency from conceptual understanding
- Give students enough time to struggle with a task and ask questions that help with their thinking without stepping in to do the work for them
- Help students realize that confusion and errors are a natural part of learning
- Praise students for their efforts in making sense of mathematical ideas and persevere in solving them

I expect you to:

- Understand what you are learning and why you are learning it
- Use learning targets to stay focused
- Keep track of your progress
- Make connections with prior learning
- Use multiple representations (equation, table, graph, etc) to demonstrate your understanding
- Talk about math by explaining your ideas and reasoning
- Be ready to clarify and elaborate on your thinking
- Think about your response – don't rush your thinking!
- Construct valid arguments and critique the reasoning of others
- Understand and explain the mathematical concepts behind the procedures you use
- Struggle with mathematics and know that breakthroughs often emerge from confusion and struggle
- Persevere in solving problems and know that it is ok to say "I don't know how to proceed from here" but it is never ok to give up
- Help your classmates without telling them the answer or exactly what to do to solve the problem
- Reveal your understanding in your written work and classroom discussions
- Reflect on mistakes to improve your understanding
- Monitor your progress in mastering the learning targets and identify which areas need to be improved

We will not use a textbook for this class.

You will need to have a notebook and a folder.



I have notebooks for sale for $1 if you do not have one today.

*Review Gear Lab before we take a Gear Ratio Assessment.

Setting up your INB (interactive notebook)

- number the pages in the bottom right corner (stop at 21 for today)
- on the cover - your name and course name
- inside the cover - Promises and Expectations
- page 1 - Class Title Page (decorate - your choice)
- page 2 - My Math Goals (we will fill this out later)
- pages 3 - 6 - Table of Contents
- pages 7-12 - Vocab
- page 13 - Design Challenges
- pages 14-15 Hurricane Design Challenge
- it will be better if, as a class, we can keep our page numbering the same

My Math Goals

1

2

3

4

My Plan:

Table of Contents

Date(s)	Title/Topic	Page #s

set up pages 4-6 like this

Vocab

Vocab

set up pages 8-12 like this

left side

space for HW

Topic or Target

key points/ questions

right side

your notes/
work you do in class

space for daily summary