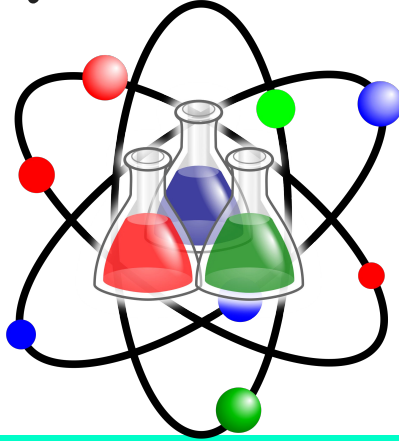
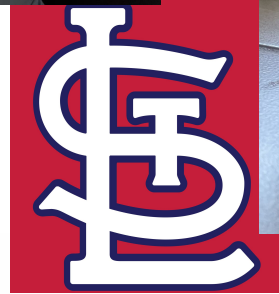


WELCOME TO SCIENCE!



Brendan Kearney
3-5 Science Teacher

ABOUT ME...



BLUES



Would you
trash your
world if you
knew that
your world is
an extension
of you?

STAY CURIOUS

MYSTERY
science

MY WHY...



This I believe...Brendan Kearney

I believe in loving each and all.

I believe in igniting passion for everything life has to offer.

I believe in nurturing individual relationships, strengths, talents and interests.

I believe in growing every day, grateful for new opportunities to learn and be vulnerable.

“There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.” -Albert Einstein

A DAY IN THE LIFE...

What's it like to be a
3rd-5th grade scientist at
Glenridge?

- 4 Key Successes
 - Teams & Jobs
 - The O's & "You Rock"
Rock
 - No Hogs, Logs or Clogs
 - Mystery Doug/Something
Sciency to Say
 - Reflection & Feedback
 - Notebooks & Chromebooks
-

A NEW VISION FOR
SCIENCE INSTRUCTION:
THE NEXT GENERATION
SCIENCE STANDARDS
(NGSS)

THE NEXT GENERATION SCIENCE STANDARDS (NGSS)

3-Dimensional Learning

- **Disciplinary Core Ideas (DCIs)**
- **Cross-Cutting Concepts (CCCs, aka “Big Ideas”)**
- **Science & Engineering Practices (SEPs)**

Phenomenon & Sense-Making

The Nature of Science

PHENOMENON

- What do you notice?
- What do you wonder?
- What might we do to find out more?

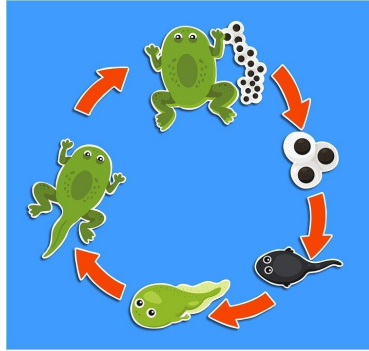


3rd Grade Science

How can we identify the ways that Earth's spheres (geosphere, hydrosphere, atmosphere, biosphere) interact?

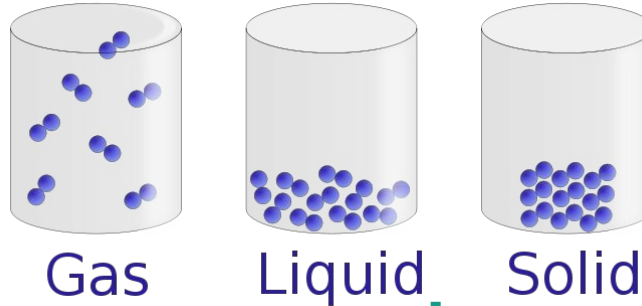


Life Science

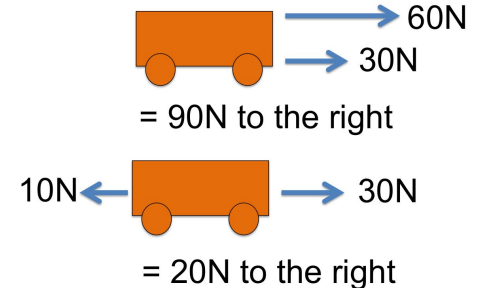


- What patterns and differences are found in the life cycles of different organisms?
- What influences an organism's traits?

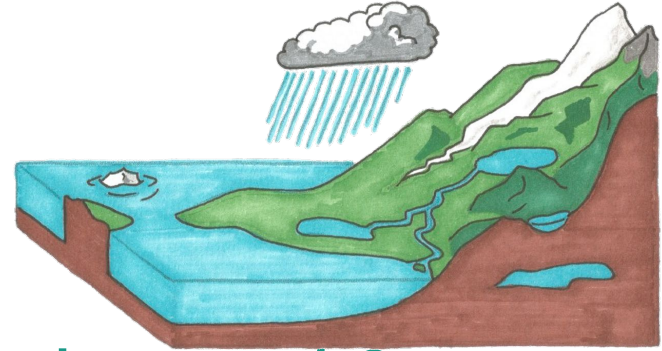
Physical Science



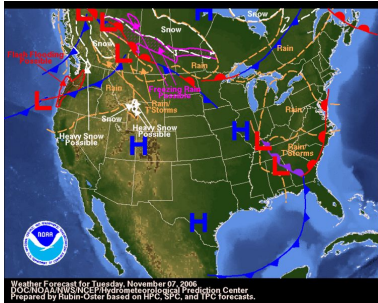
- How can matter change?
- How do forces affect the motion of objects?



Earth Science



- How does water impact the earth?
- How can we use patterns in weather & climate to predict future weather?



3RD GRADE CURRICULUM

Physical Science –
“How Things Move”

Life Science –
“Adapting to
Change” & “Change
Over Time”

Earth & Space
Science –
“Observing Weather
Patterns”



**Unit 13: Adapting to
Change**



**Unit 14: Change Over
Time**



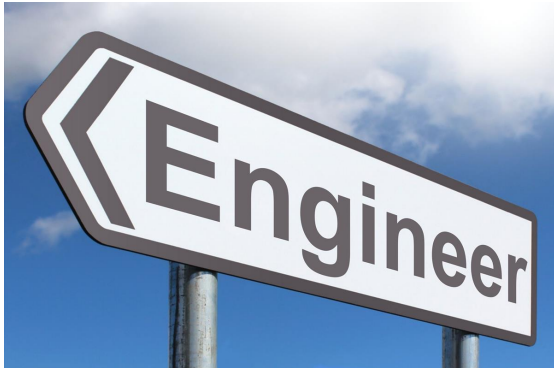
Unit 16: How Things Move



**Unit 15: Observing
Weather Patterns**

4th Grade Science

How do we work as scientists and engineers?



Earth Science

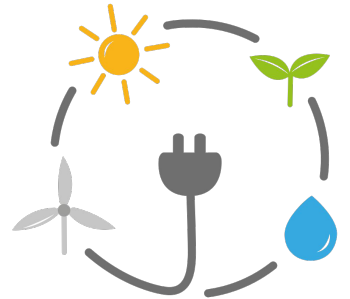


- How is Earth's surface continuously changing?
- How does Earth impact humans and how do humans impact Earth?

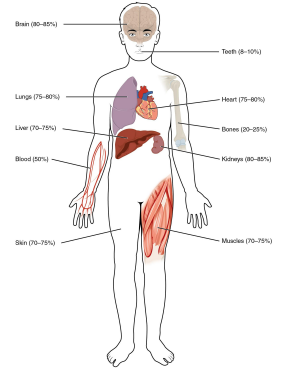
Physical Science



- How do forces affect motion?
- How is energy conserved?



Life Science



- How do the specific parts of an organism help in its survival?
- How do these specific parts work together as a system to help the organism in its environment?

4TH GRADE CURRICULUM

Earth & Space
Science – “Our
Dynamic Earth”

Physical Science –
“Transfer of Energy
and Information” &
“What Energy Does”

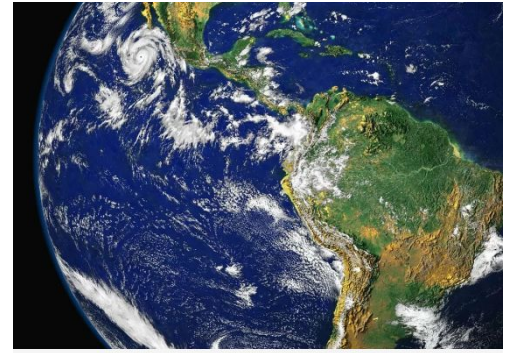
Life Science –
“Structure,
Function, and
Survival”



**Unit 17: Structure,
Function, and Survival**



**Unit 19: Transfer of
Energy and Information**



**Unit 18: Our Dynamic
Earth**



**Unit 20: What Energy
Does**

5th Grade Science

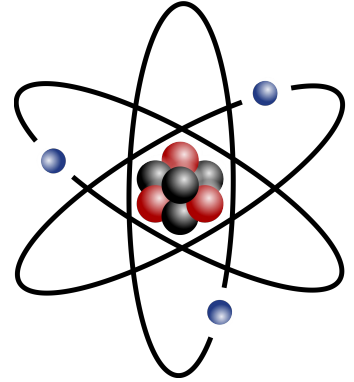
How do evidence-based scientific claims deepen our understanding?





Physical Science

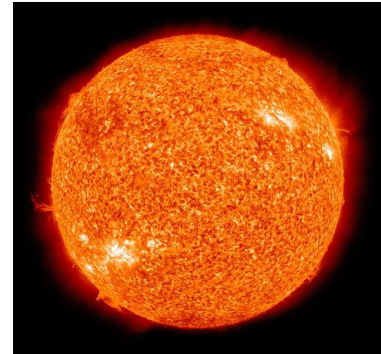
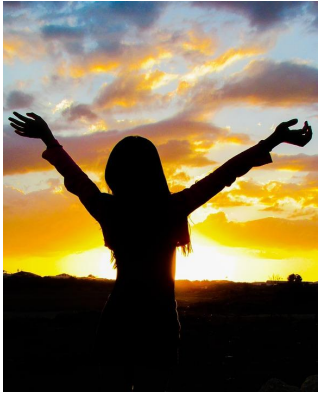
- What makes up matter?
- How can matter be changed?
- How is matter conserved?



Earth & Space Science

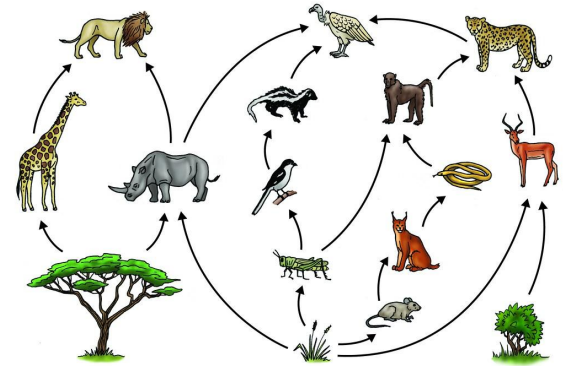


- How do we use daily and seasonal patterns of light and shadows to understand objects in space?





Life Science



○ How do matter and energy move through ecosystems?



5TH GRADE CURRICULUM

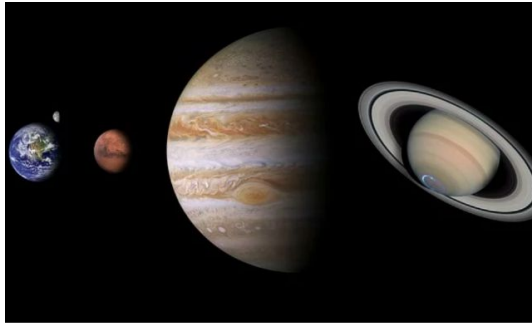
Physical Science –
“What’s Consistent
About Matter?”

Life Science –
“From Sun To Food”

Earth & Space
Science – “Our
Place In The
Universe”



Unit 21: From Sun to Food



**Unit 23: Our Place in the
Universe**

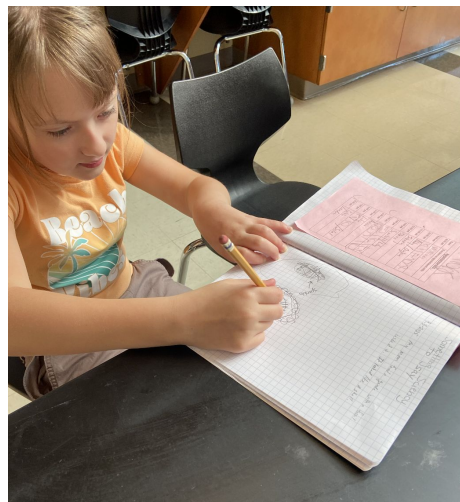
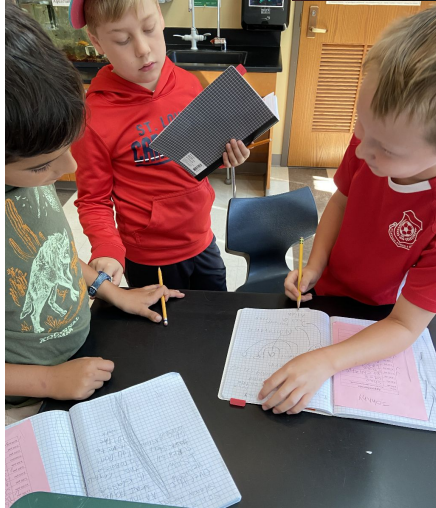
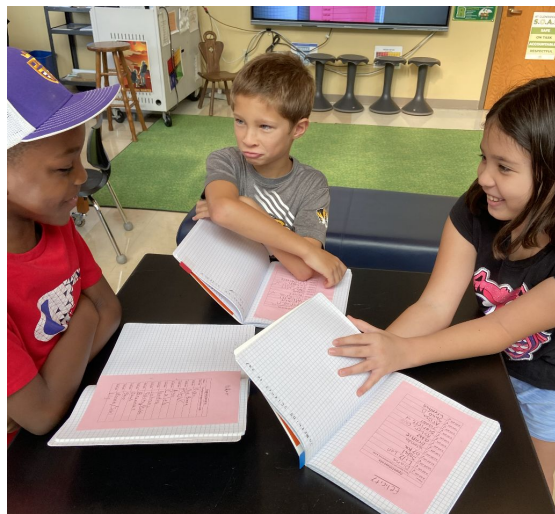


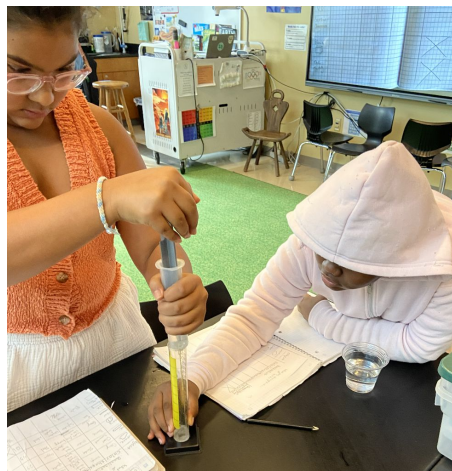
**Unit 24: What is
Consistent About Matter?**

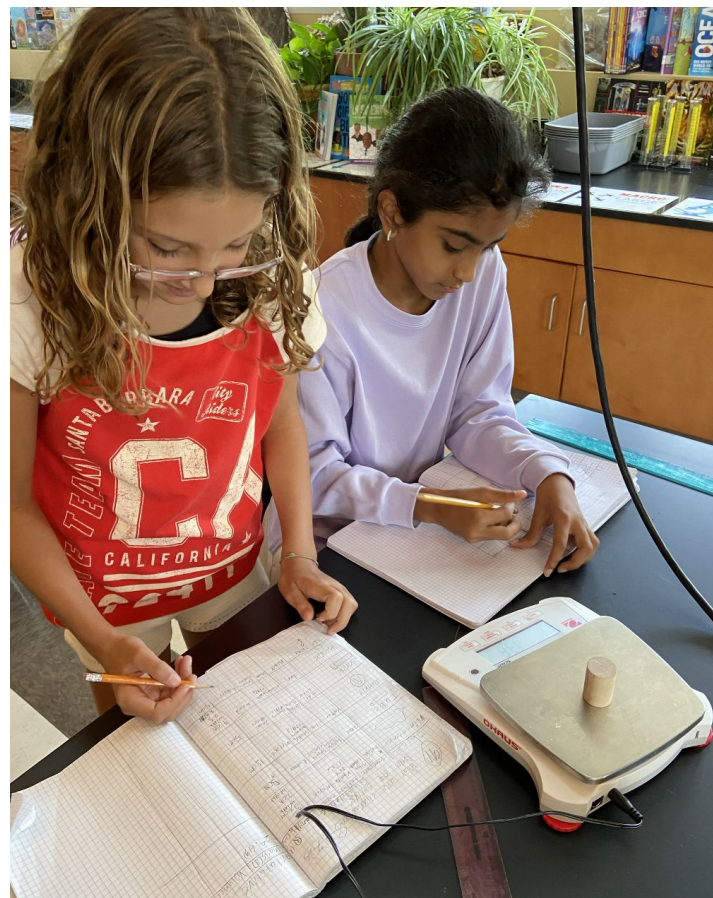
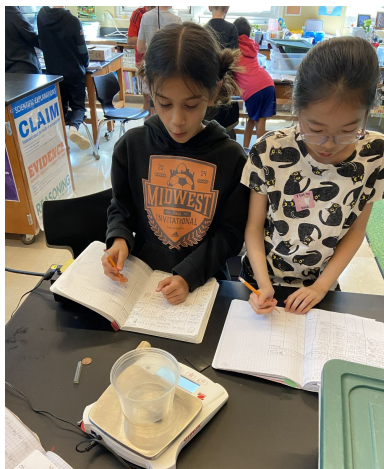
THE ORDER OF EVENTS

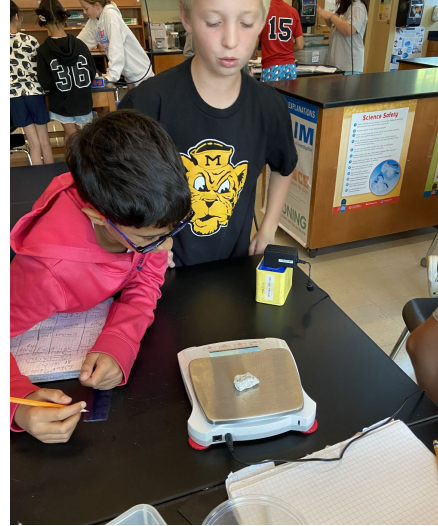
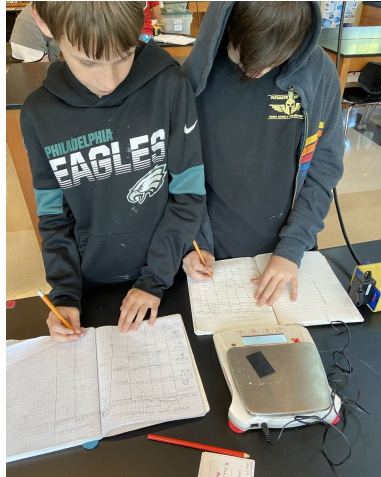
Glenridge Science Schedule 2025-2026

	August 18th - September 24th (26 days)	September 25th - November 7th (26 days)	November 10th - December 18th (26 days)	January 5th - February 19th (29 days)	February 20th - April 14th (29 days)	April 15th - May 27th (29 days)
9:00-9:35	3G Life Science		3G Physical Science		3G Earth Science	
9:50-10:25	3N Life Science		3N Physical Science		3N Earth Science	
10:25-11:00	3T Life Science		3T Physical Science		3T Earth Science	
11:00-12:00	Lunch & Prep		Lunch & Prep		Lunch & Prep	
11:10-12:20		4C Earth Science		4C Physical Science		4C Life Science
12:20-1:00		Lunch & Prep		Lunch & Prep		Lunch & Prep
12:00-1:10	5K Physical Science		5K Earth & Space Science		5K Life Science	
1:00-2:10		4H Earth Science		4H Physical Science		4H Life Science
1:10-2:20	5M Physical Science		5M Earth & Space Science		5M Life Science	
2:20-3:30	5B Physical Science	4A Earth Science	5B Earth & Space Science	4A Physical Science	5B Life Science	4A Life Science









ETC...

- SCIENCE FAIR
 - GARDEN
- DEMO DAYS (WASH U.)
- CAREER & COMMUNITY CONNECTIONS
 - SUSTAINABILITY

Thank you!

brendankearney@claytonschools.net

@glensci





@glensci

