

SCIENCE and STEM

The background is a solid blue color with several white line-art illustrations. In the top left is a stylized moon with craters. In the bottom left is a rocket ship launching with smoke. In the bottom center is a large fern frond. In the bottom right is a chameleon on a branch with a spiral shell below it. There are also small white plus signs and circles scattered throughout the background.

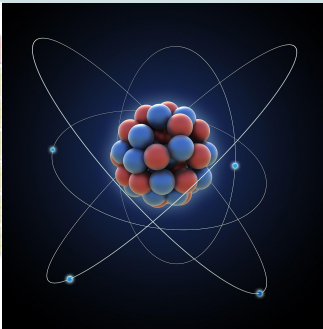
Curriculum Night
2023

WHAT TOPICS WILL WE DISCOVER...

EIGHTH GRADE - PHYSICAL SCIENCE

1. Elements and periodic table
2. Matter
3. States of matter
4. Chemical bonds
5. Chemical reactions
6. Acids and bases
7. Carbon
8. Motion
9. Forces
10. Energy
11. Electricity

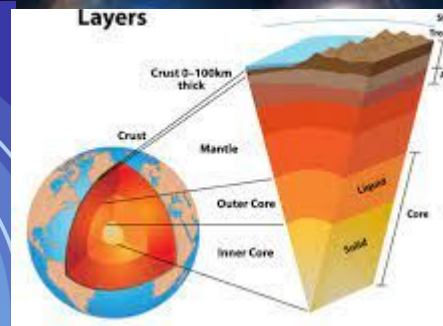
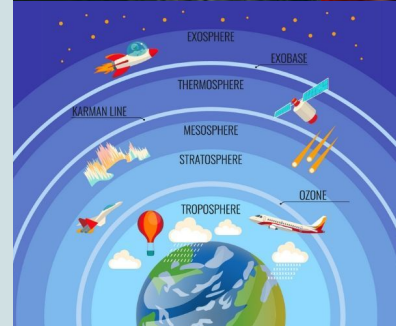
Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H																	2 He
2	3 Li	4 Be								5 B	6 C	7 N	8 O	9 F	10 Ne			
3	11 Na	12 Mg								13 Al	14 Si	15 P	16 S	17 Cl	18 Ar			
4	19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
5	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 Xe	54 Xe
6	55 Cs	56 Ba	57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu	72 Hg
7	87 Fr	88 Ra	103 Lr	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og



WHAT TOPICS WILL WE DISCOVER...

SEVENTH GRADE - EARTH & SPACE

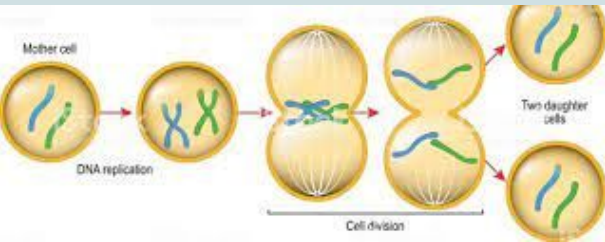
1. Earth, Moon & Sun
2. Space
3. Solar System
4. Stars & Galaxies
5. Atmosphere
6. Weather
7. Plate tectonics & earthquakes
8. Minerals & rocks



WHAT TOPICS WILL WE DISCOVER...

SIXTH GRADE - LIFE SCIENCE

1. Cell structure, function, processes and energy
2. Genetics
3. Viruses & bacteria
4. Protists & fungi
5. Seed plants & non- seed plants
6. Animals - sponges and worms, mollusks & arthropods, fish, amphibians, reptiles, birds, mammals, and their behavior



STEM

- **STEM class is project-based learning, tying into science content**
 - Projects will be based upon science lessons
 - Bring content to STEM to apply it to a project
 - Collaborative projects have timelines, division of duties, rubrics to follow to guide the work
 - Therefore, class expectations in STEM will vary from other classes
- **Provides support to middle school classes**
 - Recording work time for video projects
 - Website design and work time (6th grade marketplace)
 - HSPT practice testing (8th grade)
- **Second quarter will begin keyboarding lessons**
 - All students 6th-8th grade need their own keyboards
- **Provides IT support to THE ENTIRE SCHOOL** with the iPad program and other technical needs

SCIENCE CLASS EXPECTATIONS

- **Respect everyone**
 - Olweus Bullying Prevention Program, lessons weekly across the full campus
- **Student responsibility**
 - Read websites daily and complete your work on time, whether present or absent
 - Communicate with me over email as needed, especially when absent/missing work is involved
 - Review and practice material nightly
- **Grades**
 - Use the FACTS/RenWeb system with your child so they can see their progress
 - Their ability to monitor should translate into taking action when assignments are missing or absent, talking to me when assistance is needed with the material, etc.

SCIENCE CLASS EXPECTATIONS

- Policies

- School day goes from 7:45-3:05 (M-Th) and 7:45-12:45 (F); be on time
- All assignments are due at 7:00 a.m.
- All assignments are found in Schoology and turned into Schoology (no Showbie)
- Absent work must be completed in a timely manner (2 days per day of absence) AND send an email to the teacher when each assignment is completed
- Make up tests are before school at 7 a.m.
- Missing/late work will not be accepted after 1 week past due
- Absent and missing assignments must be completed before the chapter test

Grades

- **Classwork = 20%**
- **Homework = 10%**
- **Quizzes = 30%** = 25% in 2nd & 4th quarters
- **Tests = 40%** = 35% in 2nd & 4th quarters
- ***Midterm/Final = 10%**

**midterms/finals are for 7th and 8th grades; 6th grade, just focus on the white box*

Frequent Uniform Issues Addressed

- **Hair color** - no chemical treatment to the hair
- **Hair length for boys** - out of the eyes, over the ears, above the collar
- **Makeup** - no makeup worn to school
- **Shirts** are to be tucked in at all times unless untucked at recess
- **Boys underwear** should not be longer than school shorts
- **Girls skirts** must be within 3 inches of the knee, no shorter
- **Jewelry** - religious chains/necklaces only; single pair of silver/gold studs

COMMUNICATION

- **Email:**

- mheintz@popejohnxxiii.org
- dschwedt@popejohnxxiii.org

- **Web pages:**

<http://mrsheintz.weebly.com/>

- Updated daily by 4 p.m.
- Students MUST check this website regularly to ensure they are not forgetting work
- Students MUST check this website when absent

<https://dschwedt.weebly.com/>

THANK YOU
FOR JOINING
US TONIGHT

