NEXT GENERATION SCIENCE STANDARDS

MARLBOROUGH ELEMENTARY SCHOOL

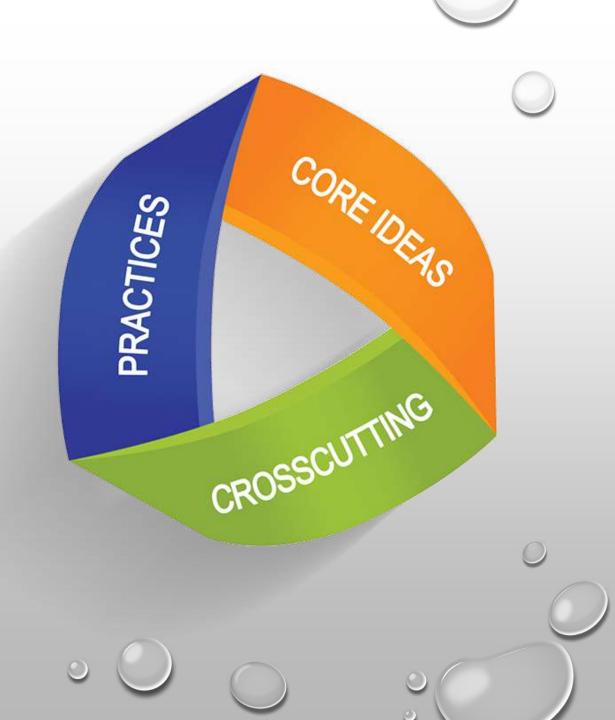


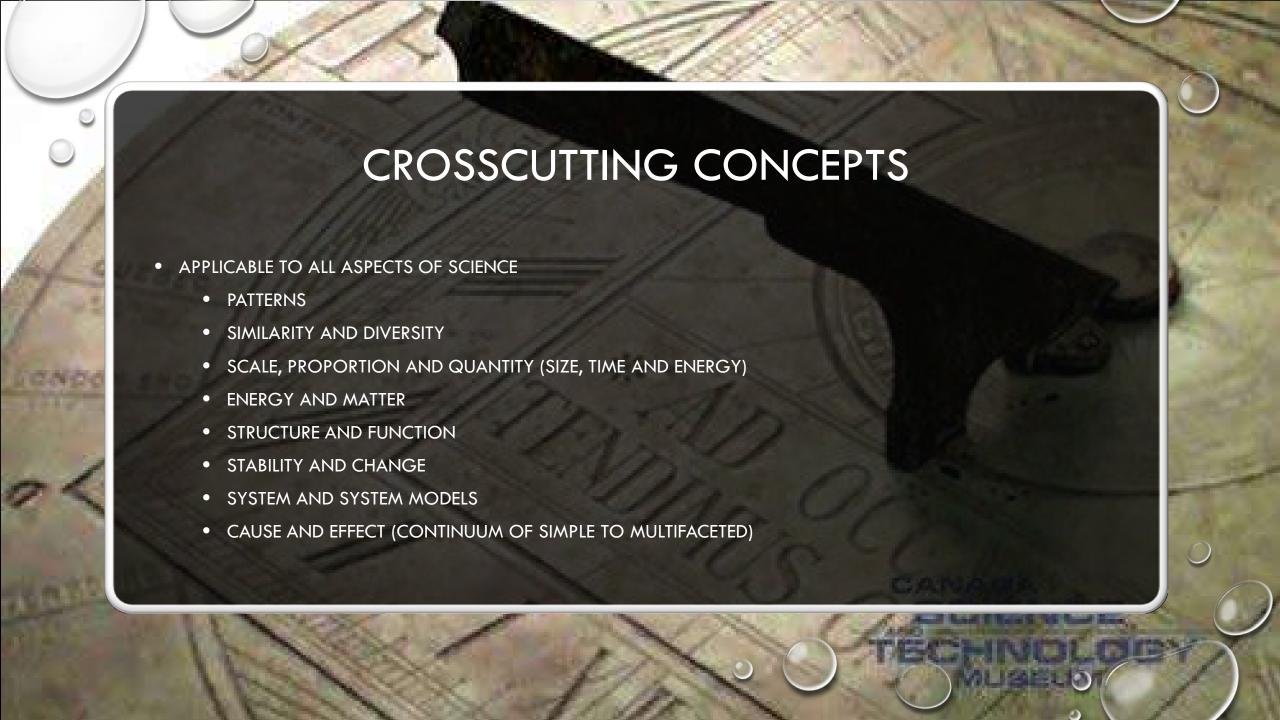
- ADOPTED BY STATE OF CONNECTICUT: NOVEMBER 4, 2015
- NGSS ASSESSMENT REPLACES CMT SCIENCE ASSESSMENT
- 5TH GRADE STUDENTS TESTED
- 2017 18: BASE-LINE YEAR (NO POINTS ON OUR NEXT GENERATION REPORT CARD)
- 2018 19: HIGH-STAKES IMPLEMENTATION (POINTS ON NEXT GENERATION REPORT CARD)

3 DIMENSIONS OF SCIENCE LEARNING

- CHILDREN EXPLORE CONNECTIONS THROUGH THE FOUR DOMAINS OF SCIENCE:
 - ENGINEERING
 - EARTH AND SPACE SCIENCE
 - PHYSICAL SCIENCE
 - LIFE SCIENCE

CHILDREN WORK TO BUILD A DEPTH OF SKILLS AND KNOWLEDGE ACROSS SCIENTIFIC DOMAINS.







MYSTERY SCIENCE

- KINDERGARTEN 3RD GRADE
- RESOURCES FOR 4TH 6TH GRADE
- EMBEDDED VIDEO / QUESTIONS / CONTENT READING





MOSA MACK

- HTTPS://MOSAMACK.COM/H
 OME/THERMAL ENERGY/LESSONS/SOLVE
- 4TH 6TH GRADE
- LESSONS PUSHED OUT TO INDIVIDUAL CHROME BOOKS
- EMBEDDED ASSESSMENTS
- EMBEDDED INFORMATIONAL
 TEXTS



ENGINEERING / PROGRAMMING



DESIGNING TO ACHIEVE SOLUTIONS

- ☐ ENGINEERING STATIONS
- ☐ ROBOTICS
- ☐ BLOCK DESIGN (LIBRARY MEDIA)
- ☐ INTEGRATED INTO LESSONS (BIRDS BEAK, ROLLER COASTER TRACKS)



STEAM ROOM

- OUTFITTED FOR EASE OF USE
- CENTRALIZED SUPPLIES
- PREPARED TO DEAL WITH 'MESSY' SCIENCE
- SACRED SPACE TO SETUP LABS AND COMPLETE THEM OVER A FEW DAYS
- EASE OF MOVEMENT TO OUTSIDE
- PRE K THROUGH 5TH USE THE STEAM ROOM



