

# The S.T.E.Msational Lab at Waverly



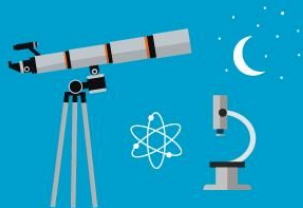
# What is STEM?

STEM teaching is an interdisciplinary approach to learning where students learn and apply concepts in science, technology, engineering, and mathematics.





# Why is **STEM** Important?



**Children can learn across different environments,** contexts, and see through different learning "lenses"



**Early exposure to STEM** subjects increases passion and interest in these skills in future years

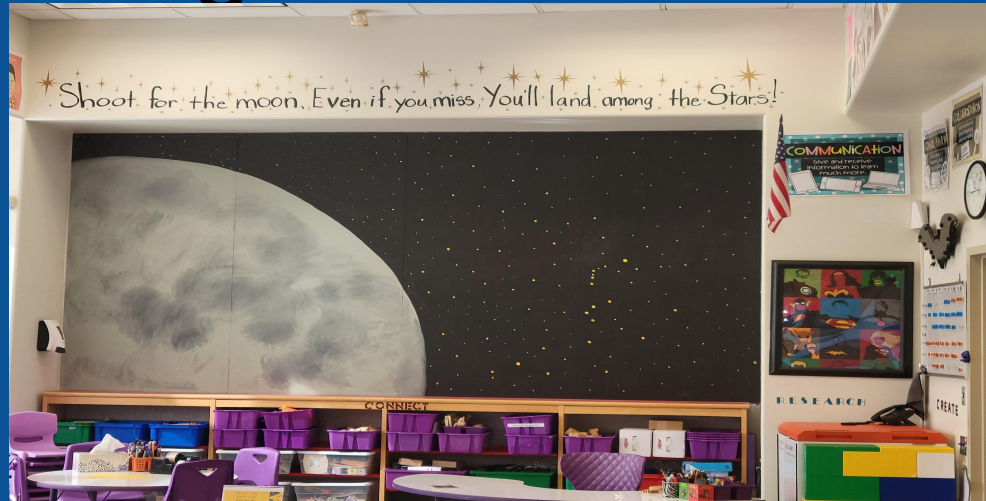


STEM subjects are important and rewarding **career choices**



**STEM activities are fun,** interesting, and motivating to children because they are hands-on

The Waverly S.T.E.M. Lab was born through combining the New York State Standards for Science, Technology, and Math with our Science 21 curriculum and creating experiences where our students can learn problem solving skills.





# SCIENCE

- Scientific inquiry
- Scientific reasoning

# TECHNOLOGY

- Application of scientific and technical knowledge
- Make good use of resources
- Creative / update products and systems

# SUBJECT KNOWLEDGE

- Design thinking
- Iterative improvement and optimization

# SUBJECT KNOWLEDGE

- Models and relationships
- Data literacy
- Mathematical language
- Calculation and thinking

# ENGINEERING

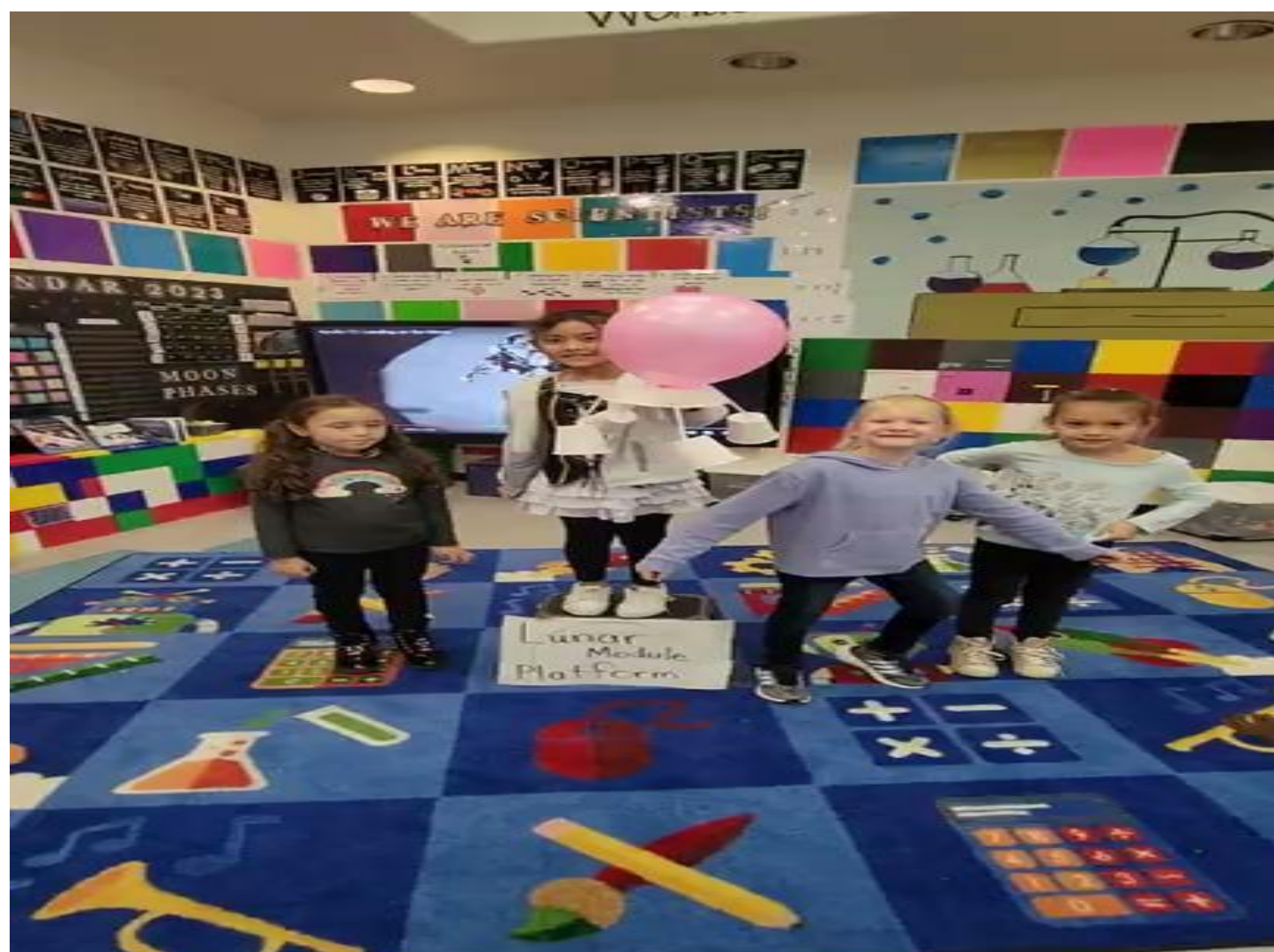
# MATHEMATICS





**Wonder is the beginning of wisdom.....**







Each day brings new excitement with your children into the S.T.E.M. Lab. It is a magical place where I hope to inspire and be inspired.

inspire  
be inspired

