Dear Families:

This week we have been conducting hands-on scientific investigations with boxes and laundry baskets as we discuss **motion and force**.

Experimenting with pushing and pulling encourages children to learn by exploring, observing and figuring out how things work. We experimented with how much force was needed to push or pull boxes of different weights.

Then we created ramps to test out our predictions about how far boxes of different weights would slide. This was a wonderful opportunity to share STEM vocabulary words such as **force**, **push** and **speed**. The children also explored concepts such as **distance**, **length** and **probability**.

By making predictions, changing designs and collecting data for their next experiment design, the children were **building the foundation for more advanced learning in data analysis and probability** in the years to come.

Activities like these allow children to learn independently and collectively as they engage in scientific investigations and then share what they have discovered with their fellow scientific explorers.

You can extend your child’s learning by conducting your own force and motion experiments at home or at the playground. Have fun!