

# PYP NEWSLETTER

SECOND GRADE UNIT 4

IT'S THE PRINCIPLE OF THE MATTER!

**Central Idea:** Humans use their understanding of the principle of change to influence the world around them.

Throughout this unit, students inquired into the forces of motion, the states of matter, and physical properties of solids. Students explored the differences between solids, liquids, and gases by doing experiments and then journaling their observations. They also explored the forces of motion by experimenting with various objects and how they move. For their summative assessment students worked in groups to create an arcade game. This gave them the opportunity to demonstrate their knowledge on motion and on the properties of solids. 2nd grade presented their arcade games at their parent event where peers and parents could play the games!

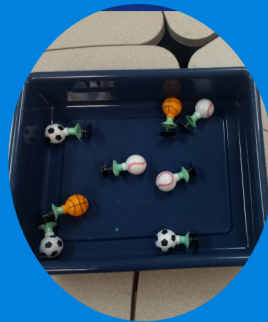
## Lines of Inquiry:

An inquiry into the physical properties of solids

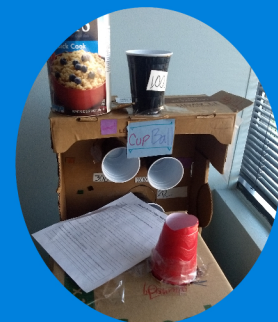
An inquiry into the states of matter

An inquiry into the forces of motion

An inquiry into how those changes affect us



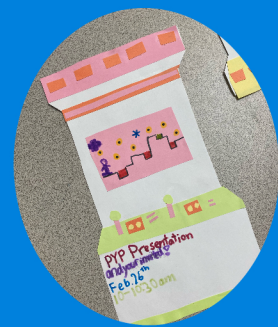
Students worked in stations to experiment with motion



Students collaborated on their arcade games and had to include rules on how to play



Arcade games illustrated various types of force such as push and pull



In art class they created their invitations to invite their family to their presentations

## Upcoming Unit:

In Unit 5 students will inquire into the lives of historical figures who have impacted today's society. They will also learn about entrepreneurship, goods, and services. Throughout this unit students will learn about creating a business plan, and understanding supply and demand. At the end of unit, students will have an in-school, student only, International Market Day.