

# LEGO Building Tomorrow Project

Mrs. Smith

Primary LEGO Coach

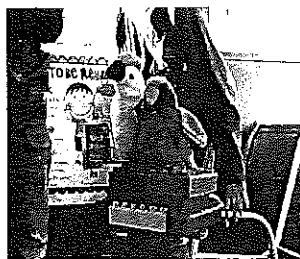
Mrs. Prayzner

Intermediate LEGO Coach



## Building in Grade 1

Challenge: Engineer a habitat for these birds in which the two birds can perch together without falling. They must be able to look for food and stay safe from predators.



## Teaching 21<sup>st</sup> Century Skills

21<sup>st</sup> century skills refer to the ability to collaborate, problem solve, persevere, and think creatively. With the same importance as teaching the academic curriculum, we recognize the importance of teaching these skills to pave the way for success in today's world. LEGO learning is a perfect time for students to practice these skills.

**Growth Mindset** lessons focus on teaching students the importance of persevering when things get tough. We teach children that they have the self-strength to change a mindset from "I can't or it's too hard" to "I can and I will keep on trying." Students participate in building activities that are challenging, but find that by focusing on positive self-talk, they can reach success.

## Building in Grade 3

Challenge: Build and program birds that can spin in the same direction and then different directions.



**Accountable Talk** refers to talk that is meaningful and respectful. We teach that all ideas need to be heard and explained with examples and evidence. Students listen to and learn from each other. Students strengthen conversation skills and vocabulary as well.

**Collaboration** enriches student learning through social interactions. Students often work with a partner or in groups on building activities. We teach the value of working together toward a common goal. Students are given opportunities to learn from one another, as well as from teachers. This encourages self-direction and empowers students as they help each other through the learning process.

Children learn as they play.  
Most importantly, in play children  
learn how to learn.

