



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: Kindergarten COURSE NAME: Science
MEASUREMENT TOPIC: Analyze Data to Determine Forces and Interactions

4	In addition to Score 3, the student makes in-depth inferences and applications. The student can: <ul style="list-style-type: none">• A student can alter a design solution to fix a problem, revising a solution
3	The student can: <ul style="list-style-type: none">• Analyze data from investigations to determine whether a design solution provides sufficient force to change the speed or direction of an object. (2)• Plan and carry out investigations to determine the effects of forces of different strengths and directions on the motion of an object, including speed, direction, and distance traveled. (1)
2	The student can: <ul style="list-style-type: none">• Observe data from investigations to determine the cause and effect relationship among forces and motion.• Plan and carry out investigations in regards to forces.

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: observe, push, pull, motion, forces, strength, direction, speed