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. ❏ A student can alter a design solution to fix a problem, revising a solution
3	❏ **Analyze data from investigations to determine whether a design solution provides sufficient force to change the speed or direction of an object.** ❏ **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.**
2	☐ 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