



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 1st grade COURSE NAME: Science
MEASUREMENT TOPIC: Design Solutions in Communication

4	In addition to Score 3, the student makes in-depth inferences and applications. The student can: <ul style="list-style-type: none">• Develop a code to use light or sound to communicate a signal to a partner.
3	The student can: <ul style="list-style-type: none">• Design and construct a device that uses light or sound to send a communication signal over a distance. (4)
2	The student can: <ul style="list-style-type: none">• Engage in the Engineering Design Process• Investigate how light travels and is used to communicate over a distance.• Investigate how sound travels and is used to communicate over a distance.

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: redirect, reflect, mirror, design, problem, solution, angle