



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 9 COURSE NAME: Biology
MEASUREMENT TOPIC: Analyze Ecosystem Stability

4	In addition to Score 3, the student makes in-depth inferences and applications. <ul style="list-style-type: none">• Compare the transfer efficiency of Energy within food chains and webs across ecosystems.
3	The student can: <ul style="list-style-type: none">• Construct an evidence-based explanation of how density-dependent and density independent factors affect population growth.• Develop and use models to illustrate the flow of energy between abiotic and biotic factors in ecosystems, including loss of heat, and 10% rule.
2	The student can: <ul style="list-style-type: none">• Develop and use models to illustrate interactions between ecological hierarchy levels, including biosphere, biome, ecosystem, community, population, and organism.
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: