



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 9 COURSE NAME: Biology
MEASUREMENT TOPIC: Analyze Changes in Populations Over Time

4	In addition to Score 3, the student makes in-depth inferences and applications. <ul style="list-style-type: none">Analyze the connected trait changes in multiple interacting populations .
3	The student can: <ul style="list-style-type: none">Analyze and interpret data to support hypotheses of common ancestry and biological evolution illustrated by cladograms and phylogenetic trees.Argue from evidence to explain how populations respond to changes in the environment that can lead to speciation or extinction.
2	The student can: <ul style="list-style-type: none">Analyze and interpret data pertaining to adaptations resulting from natural and artificial selection to explain the evolution of populations.Compare biological fitness of trait variations within a population regarding a specific selecting factor .
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: