



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10th - 12 Grade COURSE NAME: AP Biology
MEASUREMENT TOPIC: Applying Concepts in Heredity

4	In addition to Score 3, the student makes in-depth inferences and applications. <ul style="list-style-type: none">• 4-1 Connect biological concepts, processes, and observational data to broader theories or biological themes.
3	<ul style="list-style-type: none">• 3-2 Predict the causes or effects of a change in, or disruption to a biological system, related to Heredity, based on biological concepts or processes, models of biological concepts or processes, or data.• 3-1 Apply biological concepts and processes in Heredity to illustrative examples and novel scenarios.
2	<ul style="list-style-type: none">• 2-2 Explain biological processes related to Heredity.• 2-1 Describe biological concepts related to Heredity.

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

Key Vocabulary: gametes, ploidy, homologous chromosomes, meiotic processes that increase genetic diversity, mendelian patterns of inheritance, non-mendelian patterns of inheritance, autosomes, sex chromosomes, genotype, phenotype