



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 9 COURSE NAME: Biology
MEASUREMENT TOPIC: Predict Patterns of Inheritance

4	In addition to Score 3, the student makes in-depth inferences and applications. <ul style="list-style-type: none">• Analyze and interpret data about disorders to determine disease risks influenced by both genetic and environmental factors.• Connect abnormalities during meiosis to real-world genetic variations.
3	The student can: <ul style="list-style-type: none">• Use mathematics and computational thinking to predict patterns of inheritance, including dominance, recessiveness, codominance, and incomplete dominance.• Develop and use an evidence-based model to illustrate the formation of reproductive cells through the process of meiosis.
2	The student can: <ul style="list-style-type: none">• Classify a genotype model as homozygous and heterozygous.• Compare the difference in the number of chromosomes in sex cells and body cells.
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: