



Oxford City Schools

# Proficiency Scale

Are you looking for resources to help your child? [Click Here](#)

**GRADE LEVEL: 10th - 12 Grade**

**COURSE NAME: AP Biology**

**MEASUREMENT TOPIC: Apply Concepts in Gene Expression and Regulation**

**4**

In addition to Score 3, the student makes in-depth inferences and applications.

- Connect biological concepts, processes, and observational data to broader theories or biological themes.

**3**

- **Predict the causes or effects of a change in, or disruption to a biological system, related to Gene Expression and Regulation, based on biological concepts or processes, models of biological concepts or processes, or data.**

- **Apply biological concepts and processes in Gene Expression and Regulation to illustrative examples and novel scenarios.**

**2**

- **Explain biological processes related to Gene Expression and Regulation.**
- **Describe biological concepts related to Gene Expression and Regulation.**

**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: gene, variant, gene expression, nucleotide, 3 prime (3') and 5 prime (5'), transcription, post transcript modification, exon and intron, translation, genetic mutations, PCR, gel electrophoresis**