

Learning Goals and Scales
2014-2015

Rigorous Learning Goal/Scale

Course:	Biology- Unit Cell Division, DNA and Genetics
Score 4 Additional Success with the complex content and concepts—inferences, novel applications	In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught. <i>Students will make an inference beyond what was explicitly taught. Students apply learned content</i> Student makes no major errors or omissions regarding the score 4 content
Score 3 Mastery of complex content and concepts of learning goal	TARGET LEARNING GOAL: The student will be able to explain how information passes from one generation to another. • Read and interpret a pedigree to answer critical thinking questions • Use a karyotype to determine if an individual has a chromosomal abnormality • Use a karyotype to determine the sex of an individual • Use genetic crosses to complete a monohybrid genetic cross- determine genotype and phenotype • Define and explain transcription and translation • Explain how information gets from DNA to RNA to Amino Acid sequence Student makes no major errors or omissions regarding the score 3 content
Score 2 Success with simpler content—vocabulary, foundational skills	The student will recognize or recall specific vocabulary or basic content, such as: • Define key terms The student will perform basic skills or process, such as: • Read a pedigree • Complete a monohybrid Punnett square • Follow a DNA code from DNA to RNA to Amino Acid Student makes no major errors or omissions regarding the score 2 content
Score 1 Partial success with help	With help, student achieves partial success at score 2 content and/or score 3 content
Score 0 No success even with help	Even with help, no success