

Grading Rubric: Plant Curiosity Advanced

ASSIGNMENT	UNSATISFACTORY (1 POINT)	SATISFACTORY (2 POINTS)	EXCELLENT (3 POINTS)
#1: Observe growth & record phenotypes	<ul style="list-style-type: none"> -Lab notebook does not include one or more of the outlined activities for this assignment -Completed activities include minimal detail or incorrect information 	Lab notebook includes: <ul style="list-style-type: none"> -Entries for all five outlined activities for this assignment -Definitions of some terms related to plant growth and anatomy -At least one drawing of each strain of Arabidopsis with labels and notes -A basic description of the life cycle with some developmental details noted -Descriptions of traits that include drawings or notes, but the two components are either not integrated or one is missing -Predictions about the impact of each trait, but supporting details demonstrating student thought process are not included 	Lab notebook includes: <ul style="list-style-type: none"> -Detailed entries for all five outlined activities for this assignment -A comprehensive list of definitions of terms related to plant growth and anatomy -Multiple accurate drawings of each strain of Arabidopsis throughout the assignment period with labels and notes integrated -A detailed description of the life cycle with multiple developmental details included -Detailed descriptions of each unique trait with notes indicating when each trait became visible -Well formulated predictions with a clear description of student thought process
#2: Make a prediction	<ul style="list-style-type: none"> -Lab notebook does not include one or more of the outlined activities for this assignment -Completed activities include minimal detail or incorrect information 	Lab notebook includes: <ul style="list-style-type: none"> -Entries for both outlined activities for this assignment -Definitions of some terms related to reproduction -Predictions about the offspring of each strain, but supporting details demonstrating student thought process are not included 	Lab notebook includes: <ul style="list-style-type: none"> -Detailed entries for both outlined activities for this assignment -A comprehensive list of definitions of terms related to reproduction -Well formulated predictions with a clear description of student thought process
#3: Compare results	<ul style="list-style-type: none"> -Lab notebook does not include one or more of the outlined activities for this assignment -Completed activities include minimal detail or incorrect information 	Lab notebook includes: <ul style="list-style-type: none"> -Entries for all four outlined activities for this assignment -Basic observations about each strain of plant with minimal notes comparing the different phenotypes -Recognition of similarities/differences in appearance between parent and offspring with basic explanations -Similar/different results within the class data are noted but lack an explanation 	Lab notebook includes: <ul style="list-style-type: none"> -Detailed entries for all four outlined activities for this assignment -Detailed observations about each strain with notes comparing the different appearances -Similarities/differences between parent and offspring are thoroughly documented and explained -Similar/different results within the class data are acknowledged, with differences in data explained in detail