

Grading Rubric: Plant Curiosity Advanced (Young Students)

ASSIGNMENT	UNSATISFACTORY (1 POINT)	SATISFACTORY (2 POINTS)	EXCELLENT (3 POINTS)
#1: Observe growth & record phenotypes	<ul style="list-style-type: none"> -Lab notebook or worksheet does not include one or more of the outlined activities for this assignment -Completed activities include minimal detail or incorrect information 	<p>Lab notebook includes:</p> <ul style="list-style-type: none"> -At least one drawing of each strain of Arabidopsis <p>Worksheet:</p> <ul style="list-style-type: none"> -Sections 1 & 2 - Grade based on % of correct answers -Section 3 – At least four strains found and named -Section 4 – Includes basic conditions plants need to grow such as water, soil and sunlight 	<p>Lab notebook includes:</p> <ul style="list-style-type: none"> -Multiple accurate drawings of each strain of Arabidopsis throughout the assignment period with notes about each strain <p>Worksheet:</p> <ul style="list-style-type: none"> -Sections 1 & 2 – grade based on % of correct answers - Section 3 – All six strains found and named -Section 4 – Includes additional conditions plants need to grow such as air and nutrients
#2: Make a prediction	<ul style="list-style-type: none"> -Completed activity include minimal detail or incorrect information 	<p>Lab notebook includes:</p> <ul style="list-style-type: none"> -Predictions about the offspring of each strain, but supporting details demonstrating student thought process are not included 	<p>Lab notebook includes:</p> <ul style="list-style-type: none"> -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 	<p>Lab notebook includes:</p> <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 	<p>Lab notebook includes:</p> <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