

micro:bit Rover Lessons Rubric

Lesson 1: Designing M3 Bolt Test Pieces

OBJECTIVE	0 POINTS	1 POINT	2 POINTS	3 POINTS	4 POINTS
ANALYZE AND EVALUATE	No analysis or evaluation of the M3 bolt specifications.	Minimal analysis or evaluation of the M3 bolt specifications.	Partial analysis or evaluation of the M3 bolt specifications.	Nearly complete analysis or evaluation of the M3 bolt specifications.	Complete and thorough analysis and evaluation of the M3 bolt specifications.
DESIGN AND CREATE	No design or 3D model created.	Design or 3D model created but does not match specifications.	Design or 3D model partially matches specifications.	Design or 3D model mostly matches specifications.	Design and 3D model perfectly match specifications.
APPLY AND TEST	No testing or refining of the test piece.	Minimal testing or refining of the test piece.	Partial testing or refining of the motor bracket.	Nearly complete testing or refining of the test piece.	Complete and thorough testing and refining of the test piece.
REFLECT AND REVISE	No reflection or application of insights.	Minimal reflection or application of insights.	Partial reflection or application of insights.	Nearly complete reflection or application of insights.	Complete and thorough reflection and application of insights.