

Standards Students will be able to:	Tasks & Standards Identified	Assessment for Tasks
1. apply Newton's 3 Laws to how they affect motion in everyday life.	1. ACTIVE/PASSIVE LISTENING Design a poster showing the 5 qualities of active listening (11, 12)	Observation and checklist
2. provide evidence of inertia relating to Newton's first law.	2. PICTURE THIS Bring in pictures from magazines showing forces in everyday life (4, 8, 11, 12)	Holistic rubric
3. provide evidence of $F=m*a$ relating to Newton's second law.	3. PICTURE DICTIONARY Jigsaw activity over terms for the unit (8, 9, 11)	Checklist
4. provide evidence that forces act in pairs relating to Newton's third law.	4. NEWTON'S 3 LAWS Introduction to Newton's 3 laws (1, 8, 9, 11, 12)	Checklist
5. gather data using a variety of tools and methods.	5. A DAY AT THE RACES Lab over Motion (T.I.M.S. activity) (5, 6, 7, 8, 11)	Holistic rubric
6. construct a graph from data gathered.	6. JOURNALS Daily journal entries on performance and reflections (1, 2, 3, 4,)	Checklist
7. measure time, distance and speed with laboratory equipment and instruments to calculate force.	7. HELP A FRIEND Evaluating and giving feedback to teammates throughout the unit (11, 12)	Checklist
8. analyze everyday situations of motions using proper vocabulary.	8. MINI-LABS Labs over Newton's 1 st 2 nd and 3 rd Laws (1, 2, 3, 4, 5, 11, 12)	Holistic rubric
9. use electronic and non-electronic media to find answers to questions/problems.	9. ALTERNATIVE ENERGY PROTOTYPE CAR Create an alternative vehicle-prototype (1, 5, 7, 9, 10, 11, 12)	Analytical rubric
10. use technology to communicate curriculum concepts.	10. SEEK AND FIND Use internet to find information to build vehicle (5, 9, 10, 11)	Checklist
11. apply the qualities of active listening.	11. SPREADSHEET Use a spreadsheet to calculate the budget of vehicle (6, 9, 10)	Holistic rubric

12. provide constructive feedback to others in a group setting	12. ALTERNATIVE ENERGY PROTOTYPE CAR-ROLE PLAY Role play the role of an inventor, accountant, engineer, and head of materials (2, 3, 4, 5, 6, 8, 9, 10, 11, 12)	Analytical rubric
	13. POWER POINT Create a PowerPoint to support presentation (9, 10)	Holistic rubric
	14. GROUP PRESENTATION Group presentation over research on vehicle(2, 3, 4, 10, 11, 12)	Analytic rubric
	15. PORTFOLIOS Portfolios (1, 2, 3, 4, 11)	Checklist