

**EDUCATOR SECTION 101
(5-8)**

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National Science Standards:

Science as Inquiry
 Physical Science
 Position & Motion of Objects
 Unifying Concepts and Processes
 Change, Constancy, & Measurement
 Evidence, Models, & Explanation
 Science and Technology
 Understanding about Science & Technology

National Math Standards:

Problem Solving
 Reasoning
 Connections
 Computation & Estimation

Subjects	Activities	Content
Mathematics Physical Science	1. Newton's 1 st , 2 nd , and 3 rd Laws	Discussion of motion: Dynamics (the reason for motion); suitable for handout
	2. Force conversion	Student Handout: Metric-English, English-Metric
	3. Weight conversion	Student Handout: Metric-English, English-Metric
	4. Length conversion	Student Handout: Metric-English, English-Metric
	5. Acceleration	Definition; Student Handout
	6. Force and Acceleration	Student Handout: Newton's 2 nd Law
	7. Force and Acceleration Exercises	Student Handout: Problem Sets