

CURRICULUM MAP FOR PHYSICAL, EARTH, AND SPACE SCIENCE GRADE 9

(Suggested timeline for introducing content and process standards - some overlap all four quarters)

SCIENCE GSEs	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
1. Life Science		1.3.1 Periodic Table Experiment/Activity 1.3.2	1.8.1 Nuclear Radiation Experiment/Activity 1.8.2	1.3.1 Experiment/Activity 1.7.2
2. Earth and Space Science			2.8.2 Mechanical Waves 2.7.1 Doppler Effect 2.4.1 Radioactive Decay Experiment/Activity Open Response Assessment Target	2.1.2-2.1.3 Earth Structure and Events 2.3.1-2.3.6 The Rock Cycle 2.4.2-2.4.4 Aging Rock Structures 2.1.1, 2.2.1-2.2.3, 2.3.7 Plate Tectonics 2.5.1 Earth's Position 2.5.2 Navigation/GPS 2.6.1 Space Exploration 2.6.22, 2.8.13 Cosmic Radiation 2.6.3 Galaxies 2.6.4, 2.7.2-2.7.4 Evolution of Universe 2.8.3, 2.9.1-2.9.3 Stars Experiment/Activity 2.1.4 2.2.4 2.3.8 2.4.5 2.5.3

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				2.6.5 2.7.5 2.8.4 2.9.4 Open Response 2.1.5 2.2.5 2.3.9 2.4.6 2.6.6 2.7.6 2.8.5 2.9.5 Assessment Target
3. Physical Science	3.1.1.-3.1.4 Matter 3.1.5-3.1.7 Phases of matter 3.5.1-3.5.2 Phases of change 3.1.8 Gas Laws 3.2.1 History of Atom 3.3.1-3.3.6 Periodic Table 3.4.1-3.4.3 Atomic Structure Experiment/Activity 3.1.10 3.2.2 3.3.7	3.8.1-3.8.8 Motion 3.9.1-3.9.6 Forces 3.5.3-3.5.9 Energy 3.3.1-3.3.6 Periodic Table Experiment/Activity 3.8.9 3.9.7	3.5.3-3.5.9 Energy 3.10.1-3.10.6 Mechanical Waves 3.10.7-3.10.9 EM Spectrum 3.7.1-3.7.15 Electricity and Magnetism 3.6.1-3.6.5 Nuclear Radiation Experiment/Activity 3.5.10 3.6.6 3.7.16	3.6.1-3.6.5 Nuclear Radiation Experiment/Activity Open Response

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	3.4.4 3.5.10 Open Response 3.1.11 3.2.3 3.3.8 3.4.5 Assessment Target	Open Response 3.5.11 3.8.10 3.9.8 Assessment Target	3.10.10 Open Response 3.5.11 3.6.7 3.7.17 3.10.11 Assessment Target	Assessment Target
4. Inquiry	<ul style="list-style-type: none"> • Method and Metric System • Identifying the problem • Questioning and hypothesizing • Predicting • Collecting data • Designing, conducting, & critiquing investigations • Using tools and techniques safely • Representing, analyzing, and interpreting data • Using evidence to draw conclusions and communicate understanding of findings 	<ul style="list-style-type: none"> • Method and Metric System • Identifying the problem • Questioning and hypothesizing • Predicting • Collecting data • Designing, conducting, & critiquing investigations • Using tools and techniques safely • Representing, analyzing, and interpreting data • Using evidence to draw conclusions and communicate understanding of findings 	<ul style="list-style-type: none"> • Method and Metric System • Identifying the problem • Questioning and hypothesizing • Predicting • Collecting data • Designing, conducting, & critiquing investigations • Using tools and techniques safely • Representing, analyzing, and interpreting data • Using evidence to draw conclusions and communicate understanding of findings 	<ul style="list-style-type: none"> • Method and Metric System • Identifying the problem • Questioning and hypothesizing • Predicting • Collecting data • Designing, conducting, & critiquing investigations • Using tools and techniques safely • Representing, analyzing, and interpreting data • Using evidence to draw conclusions and communicate understanding of findings

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