

Dickenson County Public Schools  
Grade8  
Physical Science Curriculum Map/Pacing Guide

Time Frame	SOLS And Strand	ESSENTIAL KNOWLEDGE And SKILL	SUGGESTED RESOURCES	ASSESSMENT METHODS	Curriculum Map (Documentation of Adjustments to the Written Curriculum)
Week 1	PS 1	Plan and conduct investigation	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites:  <a href="http://sciencegeek.net/">http://sciencegeek.net/</a>  <a href="http://education.jlab.org/">http://education.jlab.org/</a>  <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a>  <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a> </li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	
Week 2-3	PS 1, 2, 3, 4, 5	Introduction to Matter	Same as above	Same as above	
Week 4-5	PS 1, 2, 5, 6, 7	Solid/Liquid/Gas Physical and Chemical Changes	Same as above	Same as above	

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Week 6-9	PS 1 PS 2 PS 4 PS 5	Atoms and Periodic Table	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites:  <a href="http://sciencegeek.net/">http://sciencegeek.net/</a>  <a href="http://education.jlab.org/">http://education.jlab.org/</a>  <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a>  <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a> </li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	
Week 10-13	PS 1, 2, 4, 5	Chemical Bonds	Same as above	Same as above	
Week 14-16	PS 1, 2, 4, 5, 6	Chemical Reactions	Same as above	Same as above	

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Week 17-18	PS 1 PS 2 PS 4 PS 5 PS 7	Acids, Bases, Solutions, and Metals	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites:  <a href="http://sciencegeek.net/">http://sciencegeek.net/</a>  <a href="http://education.jlab.org/">http://education.jlab.org/</a>  <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a>  <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a> </li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	
Week 19-20	PS 1 PS 2 PS 4	Carbon Chemistry	Same as above	Same as above	
Week 21-23	PS 1 PS 10	Motion, Forces and Fluids	Same as above	Same as above	

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Week 23-24	PS 1 PS 10	Working Machines	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites:  <a href="http://sciencegeek.net/">http://sciencegeek.net/</a>  <a href="http://education.jlab.org/">http://education.jlab.org/</a>  <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a>  <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a> </li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	
Week 25-26	PS 1 PS 6 PS 7 PS 10	Energy and Power	Same as above	Same as above	
Week 27-28	PS 1	Characteristics of Waves	Same as above	Same as above	

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Week 29	PS 1 PS 6 PS 8	Sound	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites: <a href="http://sciencegeek.net/">http://sciencegeek.net/</a> <a href="http://education.jlab.org/">http://education.jlab.org/</a> <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a> <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a></li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	
Week 30	PS 1 PS 6 PS 9	Electromagnetic Spectrum	Same as above	Same as above	
Week 31	PS 1 PS 9	Light	Same as above	Same as above	

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Week 32	PS 1 PS 11	Magnetic field/ Electromagnet	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites:  <a href="http://sciencegeek.net/">http://sciencegeek.net/</a>  <a href="http://education.jlab.org/">http://education.jlab.org/</a>  <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a>  <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a> </li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	
Week 33	PS 1 PS 11	Static Electricity and Series and Parallel Circuits	Same as above	Same as above	
Week 34	PS 1 PS 11	Motors and Generators	Same as above	Same as above	

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Week 35-36		REVIEW: Life Science Earth Science ALL MATERIAL	<ul style="list-style-type: none"> <li>• Textbook: Prentice Hall <u>Science Explorer: Physical Science</u>, 2004 and Teacher Resource Packet</li> <li>• Science Standards of Learning Physical Science Curriculum Framework and Blueprint</li> <li>• Windows on Science</li> <li>• Workbook</li> <li>• United Streaming</li> <li>• Web sites: <a href="http://sciencegeek.net/">http://sciencegeek.net/</a> <a href="http://education.jlab.org/">http://education.jlab.org/</a> <a href="http://www.iq.poquason.org/">www.iq.poquason.org/</a> <a href="http://www.pen.k12.va.us/">www.pen.k12.va.us/</a></li> <li>• Videos on subject matter</li> </ul>	Chapter Assessment  Student Workbook  Vocabulary Sheet  Flanagan  Observation  Released SOL Tests	