4th Grade Science Curriculum & Pacing Guide

Content Area: Science	Grade Level: 4th	
Title of Unit: Motion and Matter	Number of Weeks/Days: 11 Weeks	
Standards:	Assessment:	Resources:
4-PS3-1 Use evidence to construct an explanation relating the speed of an object to the energy of that object **4-PS3-2** Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents. **4-PS3-3** Ask questions and predict outcomes about the changes in energy that occur when objects collide. **4-PS3-4** Apply scientific ideas to design, test, and refine a device that converts energy from one form to another. **4-PS4-1** Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move **4-PS4-2** Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen **4-PS4-3** Generate and compare multiple solutions that use patterns to transfer information.* **4-ESS3-1** Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment. **3-5-ETS1-1** Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost **3-5-ETS1-2** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem **3-5-ETS1-3** Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved		Investigation 1: Energy and Circuits Investigation 2: The Force of Magnetism Investigation 3: Electromagnets Investigation 4: Energy Transfer Investigation 5: Waves Student edition & Online Resource Resources: https://www.nextgenscience.org/ https://thinklink.schoolspecialty.com/login

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 1	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 2	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4thh	
Title of Unit:	Number of Weeks/Days: Week 3	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 4	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 5	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 6	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 7	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 8	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 9	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 10	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 11	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 12	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 13	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 14	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 15	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 16	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 17	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 18	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 19	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 20	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 21	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 22	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit: 1st	Number of Weeks/Days: Week 23	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 24	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 25	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 26	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 27	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 28	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 29	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 30	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 31	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 32	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 33	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 34	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 35	
Standards:	Assessment:	Resources:

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Content Area: Science	Grade Level: 4th	
Title of Unit:	Number of Weeks/Days: Week 36	
Standards:	Assessment:	Resources: