Planned Course: Science	Course Number: -	Department: Elementary	
Unit: A (Sci., Engineering, Tech.) Estimated Time: 2 weeks (of 18)	Grade Level: 4 Level/Track: All Students	Date Approved: 8/19/2014	
PA Anchors/Eligible Content	➢ **Core Concepts (in question format)** • **Skills/Knowledge**	**Activities/Strategies/Study Skills (identify some activities as remedial or enrichment activities)**	**Assessments (include types and topics)**
S4.A.1.1 Identify and explain the application of scientific, environmental, or technological knowledge to possible solutions to problems. S4.A.1.1.1 S4.A.1.1.2 S4.A.2.1 Apply skills necessary to conduct an experiment or design a solution to solve a problem. S4.A.2.1.1/2/3/4 S4.A.3.1 Identify systems and describe relationships among parts of a familiar system (e.g., digestive system, simple machines, water cycle). S4.A.3.1.1 S4.A.3.2 Use models to illustrate simple concepts and compare the models to what they represent. S4.A.3.2.1/2/3	**What is science?** ➢ What questions do scientists ask? • Students will describe questions scientists ask and explain how scientists find answers to their questions. ➢ How do scientists use tools? • Students will identify tools that scientists use and explain how to properly and safely use these tools. ➢ How do scientists answer questions? • Students will describe different scientific methods scientists use to answer questions. ➢ How do scientists draw conclusions? • Students will explain how scientists keep records in order to share conclusions with other scientists. **How does technology affect**	Pearson *Interactive Science* • Chapters 1 and 2 *Pennsylvania: Our Home* and *Tales of the Towpath* • (technological changes, natural vs. man-made, & map skills) PearsonSuccessNet.com Interactive Digital Path • videos, activities, etc. PearsonSuccessNet.com Science leveled readers	Chapter review pages in student text Benchmark practice pages in student text Words to Know pages from Teacher's Edition Directed Inquiry, Guided Inquiry, and Open Inquiry pages from Teacher's Edition Student projects Performance-based assessments "Inquiry" and STEM activities Chapter Tests Unit Benchmark Test Teacher-made tests and/or quizzes

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	our lives? ➢ What is technology? • Students will understand how technology solves problems and makes work easier. ➢ What is the design process? • Students will be able to use the design process.		