

TEKS/TAKS Correlation to



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Correlated by:

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TEKS/TAKS Correlation to



AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
Math	Aluminum Boats	Grade 3 – 1A, 2A-D, 4A, 7A Grade 4 – 1A, 2A-D,4A, 7A-B Grade 5 - 1A, 2 A-D,4A, 7A Grade 6 – 1A, 2A-D, 4A, 7 A-B Grade 7 – 1A, 2A-D, 4A Grade 8 – 1A, 2A-D, 4A, 5A-B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A, C,E,F H, 2A-D,3D, 4A-B, 5A-C, 6C	Concepts – Buoyancy, Displacement, Surface Area Skills – Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify a design problem and propose a solution. Design and test a model.	5-1, 3
Engineering	A-Mazing Robots	Grade 3 – 2A-E Grade 4 - 2A-E Grade 5 - 2 A-E Grade 6 - 2A-E Grade 7 - 2A-E Grade 8 – 2A-E, 5 A-C Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1E, 3D-E, F1	Concepts – Robotics, Logic Skills - Follow directions, graph and plot results. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Construct graphs and charts using tools to organize and evaluate data.	5-1
Earth Science	Animal Attraction	Grade 3 – 1A, 2A-D, 4A, 5A, 8A, 9A Grade 4 - 1A, 2A-D, 4A, 5A, 8A, 9A Grade 5 - 1A, 2 A-D,4A, 5A-B, 9A-B Grade 6 – 1A, 2A-D, 4A, 10A-C Grade 7 – 1A, 2A-D,4A, 12B Grade 8 – 1A, 2A-D, 4A, 6C Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS 1A,C,E,F,H 2A-D,3B,4A-B,5A-C,6C	Concepts – Pollination, Vector attraction, Signals, Adaptation Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify characteristics within a species to survive and reproduce. Identify the roles of some	5-1, 4

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			organisms in a living system.	
Biological Science	Breathing Yeasties	<p>Grade 3 – 1A, 2A-D, 4A, 8A,C</p> <p>Grade 4 – 1A, 2A-D, 4A, 8A</p> <p>Grade 5 - 1A, 2A, 4A, 5A-B, 6B-C, 9A-B</p> <p>Grade 6 – 1A, 2A-D, 4A, 7A,12B-C</p> <p>Grade 7 – 1A, 2A-D, 4A,7A,11A, 12A-C</p> <p>Grade 8 – 1A, 2A-D, 4A, 6C,9A,11A</p> <p>Grades 3-5 Technology TEKS – 5A, 8B-C</p> <p>Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B, 4A-B, 5A-C, 6C</p>	<p>Concepts – Food Chain, Carbon Cycle Environmental Conditions PH, Reproduction. Life Cycles</p> <p>Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify characteristics within a species to survive and reproduce. Identify components in an ecosystem to which organisms may respond and find their niche.</p>	5-1, 4
Engineering	Build and Test A Paper Bridge	<p>Grade 3 – 1A, 2A-D, 4A</p> <p>Grade 4 -1A, 2A-D, 4A</p> <p>Grade 5 - 1A, 2 A-D, 4A, 7A</p> <p>Grade 6 - 1A, 2A-D, 4A, 6A</p> <p>Grade 7- 1A, 2A-D, 4A</p> <p>Grade 8 -1A, 2A-D, 4A, 5B-C, 7A</p> <p>Grades 3-5 Technology TEKS – 5A, 8B-C</p> <p>Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B, 4A-B. 5A-C.6C</p>	<p>Concepts – Intro to Physics, Mechanics, Design, Surface Area, Geometry</p> <p>Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify a design problem and propose a solution. Design and test a model.</p>	5-1,3,4
Physical Science	Catch the Wave	<p>Grade 3 - 1A, 2A-D, 4A</p> <p>Grade 4 - 1A, 2A-D, 4A</p> <p>Grade 5 1A, 2A-D, 8D</p> <p>Grade 6 -1A, 2A-D, 4A</p> <p>Grade 7 -1A, 2A-D, 4A</p> <p>Grade 8 -1A, 2A-D, 4A, 7A-B</p>	<p>Concepts – Transmission of Energy, Sound Waves, Interference</p> <p>Skills - Plan and implement investigations, Collect, analyze and interpret information</p>	5 -1,3

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		Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E4A-B, 5A-C,6C	and communicate conclusions. Investigate how waves are generated and can travel through different media.	
Space Science	Comet Catering	Grade 3 - 1A, 2A-D, 4A Grade 4- 1A, 2A-D, 4A Grade 5 - 1A, 2 A-D Grade 6 – 1A, 2A-D, 4A ,6A,C,13A Grade 7 –1A, 2A-D, 4A, 6B Grade 8 – 1A, 2A-D, 4A ,7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E,4A-B, 5A-C, 6C	Concepts – Law of Superposition, Energy Distribution, Acceleration, Velocity Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify the relationship between force and motion. Identify the components in the solar system.	5-1,3
Bio-Chemistry	DNA Detective	Grade 3- 1A, 2A-D, 4A, 10A-B Grade 4 - 1A, 2A-D, 4A, 9A-B Grade 5 -1A, 2A-D, 4A, 10A Grade 6 -1A, 2A-D, 4A, 11A-C Grade 7 -1A, 2A-D, 4A, 7B Grade 8 -1A, 2A-D, 4A, 11 Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Gene Sequencing, Traits Comparing samples and patterns of genetic code. Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Explore how species can change through generations and how traits are contained in genetic material.	5-1,3
Physical Science	Eggs at Rest Stay at Rest	Grade 3 - 1A, 2A-D, 4A, 6A Grade 4 - 1A, 2A-D, 4A, Grade 5 - 1A, 2A-D, 5B Grade 6 – 1A, 2A-D, 4A, 6A	Concepts – Newton’s Law of Motion, Forces Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and	5-1,3

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AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
		Grade 7 – 1A, 2A-D, 4A, 6B Grade 8 - 1A, 2A-D, 4A, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	communicate conclusions. Investigate how force causes change and explore the relationship between force and motion.	
Physical Science	Exploring with Sound	Grade 3 - 1A, 2A-E, 4A Grade 4 - 1A, 2A-E, 4A Grade 5 1A, 2A-E, 8D Grade 6 -1A, 2A-E, 4A, 6A-B Grade 7 -1A, 2A-D, 4A, 6A-B Grade 8 -1A, 2A-D, 4A, 7A-B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A, C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C,6C	Concepts – Transmission of Energy, Sound Waves, Interference Skills – Relationship between force and motion. Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Discover how waves are generated and can travel through different media. Research how sonar works.	5 -1,3
Physical Science	Fork it Over	Grade 3 -1A, 2 A-D, 5B Grade 4 - 1A, 2 A-D, 5B Grade 5 -1A, 2A-D, 5B Grade 6 - 1A, 2 A-D, 6A Grade 7-1A, 2 A-D, 6B Grade 8-1A, 2 A-D, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A, C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C,6C	Concepts – Center of Gravity, Simple Machines, Levers, Construction Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Demonstrate the basic relationship between force and motion using simple machines, pulleys and levers.	5-1,3,4
Earth Science	Gravity in Action	Grade 3 – 1A, 2A-D, Grade 4 - 1A, 2A-D, 6B Grade 5 1A, 2A-D, 5B	Concepts – Force of Gravity, Air Pressure Surface Area, Acceleration	5-1,4

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		Grade 6 – 1A, 2 A-D, 6A Grade 7 – 1A, 2 A-D, 6B Grade 8 – 1A, 2A-D, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C,6C	Skills - Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Demonstrate the basic relationship between force and motion.	
Chemistry	Got Gas?	Grade 3 - 1A, 2A-D, 4A Grade 4 -1A, 2A-D, 4A Grade 5 - 1A, 2A-D, 4A, 7C Grade 6 -1A, 2A-D, 4A, 9A Grade 7 - 1A, 2A-D, 4A, Grade 8 - 1A, 2A-D, 4A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS - 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C,6C	Concepts – Electrolysis of metals and non-Metals, Conduction of electrical Currents, Splitting water into Hydrogen and Oxygen Skills - Demonstrate safe practices and use of equipment for experiments. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify energy transformations.	5- 1, 4
Physical Science	Hilarious Honker	Grade 3 - 1A, 2A-E, 4A Grade 4 - 1A, 2A-E, 4A Grade 5 1A, 2A-E, 8D Grade 6 -1A, 2A-E, 4A, 6A Grade 7 -1A, 2A-D, 4A, 6B Grade 8 -1A, 2A-D, 4A, 7B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A, C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C,6C	Concepts – Transmission of Energy, Vibration, Sound Waves, Interference Skills – Relationship between force and motion. Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Experiment to see how waves are generated and can travel through different media.	5-1,3
Physics	Hit The Spot	Grade 3 - 1A, 2A-E, 4A Grade 4 - 1A, 2A-E, 4A	Concepts – Action/Reaction, Geometry	5-1,3

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		Grade 5 1A, 2A-D, 4A, 8D Grade 6 - 1A, 2A-E, 4A, 6A Grade 7 - 1A, 2A-E, 4A, 6B Grade 8 - 1A, 2A-E, 4A, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C E, F H, 2A-D, 3B, 4A-B, 5A-C,6C	Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate the relationship between force and motion.	
Physical Science	How Do Probes Get to Space?	Grade 3 - 1A, 2A-E, 4A Grade 4 - 1A, 2A-E, 4A Grade 5 1A, 2A-D, 4A, 8D Grade 6 - 1A, 2A-E, 4A, 6A Grade 7 - 1A, 2A-E, 4A, 6B Grade 8 - 1A, 2A-E, 4A, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C E, F H, 2A-D, 3B, 4A-B, 5A-C,6C	Concepts – Action/Reaction, Newton's Laws of Motion Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate the relationship between force and motion.	5-1,3
Chemistry	Kool Colors	Grade 3- 1A, 2A Grade 4 - 1A, 2A Grade 5 -1A, 2A, 7C Grade 6- 1A, 2A, 7A Grade 7 - 1A, 2A, 7A Grade 8 - 1A, 2A, 9A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C E, F H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Basic Chemistry, Primary and Secondary Colors, Acid and Alkaline Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Discover how new substances are made by chemically combining two or more substances. Compare the properties of the new to the original substances.	5-1,3

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Physical Science	Let it Roll	Grade 3 – 1A, 2 A-D Grade 4 - 1A, 2 A-D Grade 5 1A, 2 A-D, 5B, Grade 6 – 1A, 2A-D, Grade 7 – 1A, 2 A-D, Grade 8 – 1A, 2 A-D, Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C E, F H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Centrifugal Force, Friction Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Demonstrate that repeated experimentation may yield different results.	5-1,3
Math	Loopy Geometry	Grade 3 - 1A, 2A,B,D Grade 4 – 1A, 2A, B,D Grade 5 1A, 2A,B,D Grade 6 – 1A, 2A, B,D Grade 7 – 1 A, 2 A, B,D Grade 8 – 1 A, 2 A, B, D Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS	Concepts – Elliptical Orbits, Geometric Patterns, Angles Skills – Experiment with different lengths of paper to make loops, explore patterns and investigate angles.	5-1
Medicine and Health	Lung Capacity	Grade 3 - 1A, 2A-D, 3C, 4A, Grade 4 - 1A, 2A-D, 3C, 4A, Grade 5 1A, 2A-D, 3C, 4A, 5B Grade 6 - 1A, 2A-D, 3C, 4A, 10A Grade 7 - 1A, 2A-D, 3C, 4A, 9A Grade 8 - 1A, 2A-D, 3C, 4A, Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C E, F H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Measurement, Displacement Air Pressure Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Differentiate between structure and function. Identify the systems of the human organism and describe their functions.	5-1,2

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Biological Science	Mummy Magic	Grade 3 - 1A, 2A-D, 3A, Grade 4- 1A, 2A-D, 3A, Grade 5 1A, 2A-D, 3A, 5A,B Grade 6 - 1A, 2A-D, 3A, 7B Grade 7 - 1A, 2A-D, 3A, 7A Grade 8 - 1A, 2A-D, 3A, 9A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C E, F H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Dehydration, Extraction of Moisture Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate how substances have physical and chemical properties. Explore how substances may react chemically to form new substances.	5-1,2
Physical Science	Musical Coat Hangers	Grade 3 - 1A, 2A-E, 4A Grade 4 - 1A, 2A-E, 4A Grade 5 1A, 2A-E, 8D Grade 6 -1A, 2A-E, 4A, 6A Grade 7 -1A, 2A-D, 4A, 6B Grade 8 -1A, 2A-D, 4A, 7B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A, C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C,6C	Concepts – Transmission of Energy, Vibration, Sound Waves, Interference Skills – Explore the relationship between force and motion. Plan and implement investigations, collect, analyze and interpret information and communicate conclusions. Experiment to see how waves are generated and can travel through different media.	5-1,3
Technology and Engineering	Nose Dive	Grade 3 - 1A, 2A-E Grade 4 - 1A, 2A-E Grade 5 - 1A, 2A-E Grade 6 - 1A, 2A-E, 6A Grade 7 - 1A, 2A-E, 6B Grade 8 - 1A, 2A-E, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Surface area, Air Pressure, Air Resistance, Graphing Skills – Demonstrate the relationship between force and motion. Identify and describe the changes in position, direction of motion and speed of an object when acted upon by force. Plan and implement investigations, collect, analyze and interpret	5-1,3

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			information and communicate conclusions.	
Chemistry	Oil Slicks	Grade 3 - 1A, 2A-D Grade 4 - 1A, 2A-D Grade 5 - 1A, 2A-D, 7C Grade 6 - 1A, 2A-D, 7B Grade 7 - 1A, 2A-D, 7 C, 14C Grade 8 - 1A, 2A-D, 14B-C Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS - 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Density, Compounds, Solutions Emulsification Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate how substances have physical and chemical properties. Explore how substances may react chemically to form new substances. Classify substances by their properties.	5-1,3
Chemistry	Penny for Your Thoughts	Grade 3- 1A, 2 A-D Grade 4- 1A, 2 A-D Grade 5 1A, 2A-D, 5B, 7C Grade 6- 1A, 2 A-D, 7A-B Grade 7- 1A, 2 A-D, 7A Grade 8- 1A, 2 A-D, 8 A-B, 9A,C Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Ionization, Acids and Bases Skills - Plan and implement investigations. Collect, analyze and interpret information and communicate conclusions. Investigate how substances have physical and chemical properties. Identify and demonstrate everyday examples of chemical phenomena.	5-1,3
Chemistry	Pepper Scatter	Grade 3 – 1A, 2 A-D Grade 4– 1A, 2 A-D Grade 5- 1A, 2A-D, 5B Grade 6– 1A, 2 A-D Grade 7– 1A, 2 A-D Grade 8– 1A, 2 A-D Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F,	Concepts – Surface Tension Skills - Plan and implement investigations. Collect, analyze and interpret information and communicate conclusions.	5-1,3

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		H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C		
Earth Science	Salt, Soil and Seeds	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 -1A, 2A-D, 5B, 9B Grade 6 – 1A, 2 A-D, 12B-C Grade 7 – 1A, 2 A-D, 11B, 12C Grade 8 – 1A, 2 A-D Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – PH Values, Plant Growth Skills - Plan and implement investigations. Collect, analyze and interpret information and communicate conclusions. Investigate how responses are caused by external or internal stimuli. Describe how different environments support different varieties of organisms.	5-1,2
Earth Science	Save Your Skin	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 - 1A, 2 A-D Grade 6 – 1A, 2 A-D, 7A, 12B Grade 7 – 1A, 2 A-D, 7A Grade 8 – 1A, 2 A-D, 9 A, C 11B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Ultraviolet Rays, Dehydration UV Penetration Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Demonstrate an understanding that substances have physical and chemical properties. Combine substances to form a new substance. Identify responses in organisms to external stimuli. (sun)	5-1,2
Chemistry	Say Cheese	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 - 1A, 2A-D, 5B Grade 6 – 1A, 2 A-D, 7A-B Grade 7 – 1A, 2 A-D, 7A,C Grade 8 – 1A, 2 A-D, 8A-B, 9A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – PH Values Skills - Collect, analyze and interpret information and communicate conclusions. Identify and demonstrate examples of chemical phenomena. Recognize that compounds are composed of elements. Describe the structure and parts of an atom and identify the properties of an atom	5-1,3

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			including mass and electrical charge.	
Medicine and Health	Seafood Surgery	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 - 1A, 2A-D, 9A, 10A Grade 6 – 1A, 2 A-D, 10A,C Grade 7 – 1A, 2 A-D, 9B Grade 8 – 1A, 2 A-D Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Dissection, Vertebrates and Invertebrates Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Analyze characteristics that make organisms improve their chances for survival. Differentiate between structure and function. Identify how structure compliments function.	5-1,2
Chemistry	Scream for Ice Cream	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 1A, 2A-D, 7C Grade 6 – 1A, 2 A-D, 7A-B Grade 7 – 1A, 2 A-D, 7A,C Grade 8 – 1A, 2 A-D, 9A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – States of Matter, Reactions Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Compare and classify the properties of substances. Identify and demonstrate example of chemical phenomena. Recognize that compounds are composed of elements.	5-1,3
Biological Science	Shark Sense of Smell	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 -1A, 2A-D, 4A, 9A-C Grade 6 – 1A, 2 A-D, 10A-C, 12A-C Grade 7 – 1A, 2 A-D, 11B, 12B,C Grade 8 – 1A, 2 A-D Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Concentration, Dilution Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Differentiate between structure and function. Determine that all organisms are composed cells that carry on functions to sustain life. Identify responses in organisms to external stimuli.	5-1,2

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TEKS/TAKS Correlation to



AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
Engineering Physical Science	Spaghetti Bridge	Grade 3 – 1A, 2A-D, 4A Grade 4 -1A, 2A-D, 4A Grade 5 - 1A, 2 A-D, Grade 6 - 1A, 2A-D, 4A Grade 7-1A, 2A-D, 4A Grade 8 -1A, 2A-D, 4A, 5B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Intro to Physics, Mechanics Design, Surface Area, Geometry Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify a design problem and propose a solution. Design and test a model.	5-1,3
Physical Science	Speed, Eggs and Slam	Grade 3– 1A, 2 A-D Grade 4– 1A, 2 A-D Grade 5 1A, 2 A-D, Grade 6– 1A, 2 A-D, 6A Grade 7– 1A, 2 A-D, 6B Grade 8– 1A, 2 A-D, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Newton’ Laws of Force and Motion, Construction Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate the relationship between force and motion. Identify a design problem and propose a solution. Design and test a model to solve a problem.	5-1,2
Physical Science	Stadium Seat Science	Grade 3– 1A, 2 A-D Grade 4– 1A, 2 A-D Grade 5 -1A, 2A-D, 5A Grade 6– 1A, 2 A-D, 6A Grade 7– 1A, 2 A-D, 6B Grade 8– 1A, 2 A-D, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Vacuums, Air Pressure Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate the relationship between force and motion. Explore how unbalanced forces cause change.	5-1,3

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TEKS/TAKS Correlation to



AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
Engineering Chemistry	Stick to It	<p>Grade 3– 1A, 2 A-D Grade 4– 1A, 2 A-D Grade 5- 1A, 2A-D, 4A, 7C Grade 6– 1A, 2 A-D, 7A-B Grade 7– 1A, 2 A-D, 7C Grade 8– 1A, 2 A-D, 9A,D Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B, 4A-B, 5A-C, 6C</p>	<p>Concepts – Amino Acids, Substances</p> <p>Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Identify and demonstrate example of chemical phenomena. Recognize that compounds are composed of elements. Demonstrate that substances may react chemically to form new substances. Identify that physical and chemical properties influence the development and application of everyday materials.</p>	5-1,3
Engineering	(Build a) Treetop Walkway	<p>Grade 3 – 1A, 2A Grade 4 - 1A, 2A Grade 5 -1A, 2A, 4A, 5A Grade 6- 1A, 2A Grade 7 - 1A, 2A, 6A Grade 8 - 1A, 2A, 5B,C Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C</p>	<p>Concepts – Construction, Simple Machines, Problem Solving</p> <p>Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate the relationship between force and motion. Identify a design problem and propose a solution. Design and test a model to solve a problem.</p>	5 -1,3,4

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TEKS/TAKS Correlation to



AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
Earth Science	Turbidity	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5- 1A, 2A-D, 7C Grade 6 – 1A, 2 A-D Grade 7 – 1A, 2 A-D, 14A-C Grade 8 – 1A, 2 A-D, 14A,C Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Light Intensity and Penetration, Suspension Survival of plants and animals Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Describe and predict the impact of different catastrophic events. Analyze and make inferences about man's effects on earth's resources.	5 -1,2,3
Physical Science	Up and Over	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 - 1A, 2A-D, 5B Grade 6 – 1A, 2 A-D, 6A Grade 7 – 1A, 2 A-D, 6B Grade 8 – 1A, 2 A-D, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Force, Motion, Centripetal Force Skills - Demonstrate the relationship between force and motion. Identify and describe the changes in position, direction of motion and speed of an object when acted upon by force. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions.	5 -1,3
Physical Science	Wave Machine	Grade 3 – 1A, 2 A-D Grade 4 – 1A, 2 A-D Grade 5 - 1A, 2A-D, 8D Grade 6 – 1A, 2 A-D Grade 7 – 1A, 2 A-D Grade 8 – 1A, 2 A-D, 7B Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B, 4A-B, 5A-C, 6C	Concepts – Transmission of Energy, Sound Waves, Interference Skills – Demonstrate safe practices. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Experiment to see how waves are generated and can travel	5 -1,3

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TEKS/TAKS Correlation to



AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
Earth Science	Wind Mapping with Bubbles	Grade 3– 1A, 2 A-E Grade 4– 1A, 2 A-E Grade 5 - 1A, 2A-E, 5A Grade 6– 1A, 2 A-E, 6A Grade 7– 1A, 2 A-E, 6B Grade 8– 1A, 2 A-E, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS –1A,C,E,F, H, 2A-D, 3B, 4A-B, 5A-C, 6C, 7G, 9A-B	Concepts – Resistance, Surface Area Wind Patterns Skills - Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions. Investigate the relationship between force and motion. Demonstrate that changes in motion can be measured and graphically represented.	5- 1,2,3
Engineering	Wingin'lt	Grade 3 - 1A, 2A-D Grade 4 - 1A, 2A-D Grade 5 - 1A, 2A-D, Grade 6 - 1A, 2A-D, 6A Grade 7 - 1A, 2A-D, 6B Grade 8 - 1A, 2A-D, 5B-C, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C	Concepts – Surface area, Air Pressure, Air Resistance, Graphing Skills – Demonstrate the relationship between force and motion. Design and test a model to solve a problem. Identify and describe the changes in position, direction of motion and speed of an object when acted upon by force. Plan and implement investigations, Collect, analyze and interpret information and communicate conclusions.	5-1,3

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TEKS/TAKS Correlation to



AREA	EXPERIMENT	SCIENCE TEKS Grades 3-8	OBJECTIVES	TAKS OBJ.
Research	Museums, Dig it, Interactive Maps	Grade 3 - 1A, 2A-D Grade 4 - 1A, 2A-D Grade 5 - 1A, 2A-D, Grade 6 - 1A, 2A-D, 6A Grade 7 - 1A, 2A-D, 6B Grade 8 - 1A, 2A-D, 5B-C, 7A Grades 3-5 Technology TEKS – 5A, 8B-C Grades 6-8 Technology TEKS – 1A,C,E,F, H, 2A-D, 3B,D,E, 4A-B, 5A-C, 6C Presentations: 10D, 11A-B Reports: 1F, H, 2A,C, 3C, 7A-F, 8E, 11A	Concepts – Research through interactive Experiences. Skills – Research and Reporting, Use of technology to create reports and presentations.	5-1,2,3,4

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