

Story Spine Template for Science Stories

Once upon a time... What did people used to think? Or, what do most people expect?	
Everyday... Why did people use to think that? Or, what conditions preceded the phenomenon?	
Until one day... Who or what led to this discovery or caused the phenomenon?	
Because of that... What was the study or what mechanisms were involved?	
Until finally... What happened or what did we learn?	
Ever since then... What is our new understanding?	

Crosscutting Concepts	Science and Engineering Practices	Disciplinary Core Ideas
1. Patterns 2. Cause and Effect 3. Scale, proportion, and quantity 4. Systems and system models 5. Energy and Matter 6. Structure and Function 7. Stability and change	1. Asking questions and defining problems 2. Developing and using models 3. Planning and carrying out investigations 4. Analyzing and interpreting data 5. Using mathematics and computational thinking 6. Constructing Explanations and designing solutions 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	Life Science LS1: From molecules to organisms: Structures and processes LS2: Ecosystems: Interactions, energy and dynamics LS3: Heredity: Inheritance and variation in traits LS4: Biological evolution: Unity and diversity Earth and Space Science ESS1: Earth's place in the universe ESS2: Earth's systems ESS3: Earth and human activity Physical Science PS1: Matter and its interactions PS2: Motion and stability: Forces and Interactions PS3: Energy PS4: Waves and their applications in technologies for information transfer Engineering, technology, and the application of science ETS1: Engineering Design ETS2: Links among engineering, technology, science, and society