6th Grade Science
STEAM Integration

Unit 6: Weather Patterns	Topic: Digital Art and Design	Time: 3 Days

Standards:

MS-ESS2-4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.

MS-ESS2-5 Collect data to provide evidence for how the motions and complex interactions of air masses results in changes in weather conditions

ISTE 1.6 Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.

Scenario	A destructive storm has just swept through Galetown, leaving many wondering: *What happened? Was it just one huge storm, or a string of smaller ones?* As part of Galetown's Weather Bureau News Team, you've been assigned to create a digital weather report that explains the cause of the storm—and warns the community about what to expect next time. You'll use Canva to design a weather report that combines headlines, visuals, charts, and scientific explanations. Your job is to make the science clear, engaging, and accurate, just like a real weather broadcaster.
Success Criteria	Students can create a weather report that clearly explains the science behind a severe rainstorm using visuals, accurate terminology, and digital design.
Lesson Outline	**Day 1 – Write the Weather Report Script** Warm-Up (10 min): *"What makes a good weather report?"* Watch a short news-style weather clip (especially one that explains storm formation) Mini-Lesson (10 min): • Review key science concepts: water vapor, temperature, energy transfer, pressure, wind • Focus on how these cause severe rainstorms, and how El Niño could tie in Activity (25 min): Students begin a weather report planning sheet: • Write a "script" for their broadcast • Decide what scientific terms to include • Plan visuals (weather map, damage photo, energy diagram, bar graph **Day 2 – Design the Report in Canva** Studio Time (Full Period): • Students build their digital report using Canva slideshow or video templates

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	• Must include:
	  ○ Title slide (Breaking News: Storm Hits Galetown!)
	  ○ At least 3 slides or scenes explaining storm science
	  ○ Visual aids (map, storm path, water cycle arrows, temps, etc.)
	  ○ A final slide: "Stay Safe Galetown" (prevention or awareness tips)
	Students can work in pairs (one "anchor," one "graphic designer") or solo.
	
	Day 3 – Present & Reflect
	Presentations (25–30 min):
	• Students present their reports (screen share or digital gallery walk)
	• Optional: record videos of their slides with voiceovers in Canva!
	Reflection (10–15 min):
	Students answer:
	• What did your report explain about storm formation?
	• How did you use visuals and layout to help others understand?
	• What was your favorite part about being a weather reporter?

Resources	Canva: www.canva.com