Science lesson plan template

Lesson		**Date**	
Grade		**Minutes**	
Phenomenon or question		**Standard (verify locally)**	

Safety notes	**Materials per group**

Stage	Min	Teacher	Students	Evidence
Phenomenon and prediction What do students notice and expect?				
Investigation Procedure, variables, data				
Making sense Claim, evidence, reasoning				
Apply New case or real-world link				
Assessment How each student shows learning				

Data table students will use

Vocabulary (introduce after students have seen the idea)

Science lesson plan example: Grade 4 erosion by water

Illustrative 50-minute investigation with a simple stream table. Results vary with sand and slope; students compare their own data.

Lesson	How does slope change erosion?	**Minutes**	50
Grade	Grade 4	**Phenomenon**	Photos of a gully after heavy rain
Standard (verify locally)	NGSS 4-ESS2-1: make observations or measurements to provide evidence of the effects of weathering or the rate of erosion	**Materials**	Trays of damp sand, cups with a small hole, books to set the slope, rulers

Safety notes	**Materials per group**
Wipe spills at once; no sand near eyes; wash hands after.	Tray of damp sand, 2 books, cup with hole, 500 mL water, ruler, data sheet

Stage	Min	Teacher	Students	Evidence
Phenomenon	7	Show the gully photos. Ask what moved the soil and what might make it move faster.	Predict whether a steeper slope moves more sand.	Written prediction with "because".
Investigate	18	Groups run the same amount of water over a low slope (1 book) and a steep slope (2 books).	Measure the length of the channel and where sand ends up.	Data table for both slopes.
Make sense	12	Collect class data on the board.	Write a claim, cite their data, explain with "faster water carries more sand".	Claim-evidence-reasoning paragraph.
Apply	8	Show a hillside with and without plants.	Predict which loses more soil and why.	Discussion.
Assess	5	Exit question: how could people slow erosion on a steep schoolyard slope?	Answer using today's evidence.	Collected.

Vocabulary
erosion, deposition, slope, sediment (introduced in Make sense, after the investigation)

Original Draft My Lesson layout, free to use and adapt. Standards in the examples are cited for US schools that use them; check your own state or district framework before teaching.