



CHALLENGES AND CONSTRAINTS REMIX

What lesson are you working with?

What is the constraint and challenge you are remixing into the lesson?

Guiding Questions To Discuss

- What's the heart of this lesson? What can change and what needs to stay?
- How could this remix still meet the learning goal—maybe even in a more engaging way?
- How would students respond to this approach?
- What opportunities are there for teachers to collaborate?

Notes / Sketches / Description



SAMPLE LESSONS

PREK - GRADE 2

ELA - Story Retelling

Lesson: Students listen to or read *The Very Hungry Caterpillar* or a similar narrative.

Task: Retell the story in order using pictures, sequencing cards, or oral storytelling.

Science – Exploring Animal Habitats

Lesson: Students learn about different environments like the forest, ocean, and desert.

Task: Match animals to their habitats using a worksheet or chart.

Math – Comparing Lengths

Lesson: Students explore measuring using nonstandard units (e.g., hands, blocks).

Task: Measure classroom objects and record their lengths.

GRADES 3 - 5

Social Studies – Virginia Geography

Lesson: Students study Virginia's regions, including the Coastal Plain/Tidewater, Piedmont, Blue Ridge Mountains, and Appalachian Plateau.

Task: Label a map and describe features of each region.

Math – Fractions on a Number Line

Lesson: Students practice placing fractions on a number line.

Task: Use printed number lines to place and label fractions like $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{5}{8}$.

ELA – Character Traits

Lesson: Students read a short story and analyze a main character.

Task: Identify traits and provide textual evidence in writing or a graphic organizer.

GRADES 6 - 8

Science – Phases of the Moon

Lesson: Students learn about the eight moon phases and how they occur.

Task: Label diagrams and describe each phase in writing.

Math – Area and Perimeter

Lesson: Students calculate area and perimeter of rectangles and compound shapes.

Task: Solve word problems related to designing rooms, gardens, or other real-life spaces.

ELA – Persuasive Writing

Lesson: Students write a persuasive essay based on a topic of their choice.

Task: Develop a clear argument with supporting reasons and evidence in a structured format.

Social Studies – Interpreting Primary Sources

Lesson: Students examine a historical photograph or document (e.g., a newspaper clipping or diary excerpt).

Task: Answer questions to interpret the source and connect it to a historical event.

Make it
collaborative.

Add student voice
or choice.

Involve movement
or physical
expression.

Build something
visible or tactile.

Use storytelling or
personal
narrative.

Tie it to a
real-world issue
or student
interest.

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Create a visual
representation.

Add an
unexpected
material or
surprise element.

Challenge

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Incorporate a design thinking step (e.g., empathize, prototype)

Use only recycled or unusual materials.

Connect it to a previous lesson or topic.

Include a “gallery walk” or showcase element.

Challenge students to remix or redesign something familiar.

Design it to include different perspectives or roles.

Turn it into a game or competition.

Have students teach part of the activity.

Involve sound, music, or rhythm.

Challenge

Challenge

Challenge

Challenge

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Challenge