

In the Google Waffle, go to Google Classroom.	 
Next, in the left window click on Gemini.	 Gemini
Next, Select “Craft a compelling hook”.	 Create a vocabulary list  Craft a compelling hook  Tackle common misconceptions
Then, add grade level, describe your lesson and class, upload additional context like related unit plan or chapter (optional), and how do you want to engage your students? (optional) Then, hit Generate.	Craft a compelling hook Target grade* 4 Describe your lesson and class* 3 dimensional shapes Upload additional context like related unit plan or chapter (optional) Upload from Drive How do you want to engage your students? (optional) ✓ Spark curiosity Personal connections Storytelling and roleplaying Movement and activity Problem solving Thought-provoking question Surprising fact Gamification Check for understanding Write custom engagement type Generate
Context hooks are complete and can be exported.	Hooks for Gr. 4 class Expand to see details and regenerate or edit Spark curiosity Mystery Box Reveal different 3D shapes inside the closed box. Begin by showing the students the mystery box and telling them it contains secret objects. Ask them to guess what could be inside. Then, without opening the box, give clues about one of the shapes (e.g., “It has 6 flat faces and all are squares”). Have students make guesses. Repeat with a couple of different shapes. Explain that today they will be learning about these 3D shapes and their properties, which will help them solve future mysteries. Activate prior knowledge Shape Scavenger Hunt (Quick Edition) Materials: None. Instructions: Ask students to quickly look around the classroom and identify objects that remind them of shapes they already know (ball, box, can, etc.). Have a few students share what they found and what shape it reminds them of. Briefly discuss the names they already know (sphere, cube, cylinder). Explain that today they will be formally learning about these and other 3D shapes, expanding Deeply interactive & Relevant Building Blocks Challenge Materials: A collection of various building blocks (cubes, rectangular prisms, cylinders). Instructions: Divide students into small groups and give each group a set of building blocks. Challenge them to build the tallest freestanding structure they can in 2 minutes. After the time is up, have each group show their creation and briefly discuss the different shapes they used to build it. Explain that the strength and stability of their structures depend on the 3D shapes they used, which is something engineers consider Questioning What Am I? Shape Riddle Materials: None. Instructions: Present the students with a riddle about a 3D shape. For example: “I have no corners and no flat faces, I can roll and bounce. What am I?” (Answer: a sphere). Ask students clarifying questions or have them ask you “yes” or “no” questions to try and guess the shape. Do a few different shape riddles (e.g., “I have flat square faces and 8 corners” - cube. “I have two circular faces and a curved surface” - cylinder). Explain that today’s lesson will help them understand the properties of Problem-solving The Case of the Missing Vertex Materials: Drawings or physical models of a cube and a shape that looks like a cube but is missing a vertex (corner). Instructions: Show the students the picture or model of a cube and briefly review its features (faces, edges, vertices). Then, show them the “incomplete” shape. Ask: “What’s missing from this shape? How is it different from the cube?” Allow students to discuss and identify the missing vertex. Explain that Brief hands-on explorations Shape Sorting Surprise Materials: A collection of common classroom objects that represent different 3D shapes (e.g., a ball, a tissue box, a can, a party hat). Instructions: Place the collection of objects on a table. Ask students to observe the objects. Then, without telling them how, ask them to think about how they could sort these objects into different groups based on their shapes. After a minute or two of observation, ask for a few volunteers to share their ideas for sorting. Explain that in today’s lesson, they will be learning Export to Docs