



## Size Me Up!

Primary Learning Plan—(90 minutes)

### SHEET #1 (Front)

#### Overview:

1. Explore size classifications (small, medium, and large)
2. Learn about the word **estimate**
  - a. Estimate — thinking about what the answer might be
3. Estimate and then measure real-world items
4. Learn about art **texture**
  - a. Texture — tactile quality of a surface, what a surface appears to feel like
5. Discover the art of **printmaking** and observe **prints**
  - a. Printmaking — making artworks by printing
  - b. Prints — are created from a single original surface
6. Observe size and texture in Katsushika Hokusai's prints
7. Create an art project using measurement and texture

#### Supplies From Kit: (organized by learning plan section)

Engage	Explore	Explain	Elaborate	Extend
	Book: <u>Goldilocks and the Three Bears</u>	3 Chairs	Fuzzy Stick Pals	<i>The Great Wave at Kanagawa</i> by Katsushika Hokusai
		3 Bowls	Measuring Tapes	<i>Mount Fuji</i> by Katsushika Hokusai
		3 Size Signs		<i>Artisans Making a Woodcut</i> by Utagawa Kunisada
				Primary/Intermediate Art Project Sample
				Assorted Items To Stamp



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**SHEET #1 (Back)**

**Supplies Provided by Consumer:** (organized by learning plan section)

<b>Engage</b>	<b>Explore</b>	<b>Explain</b>	<b>Elaborate</b>	<b>Extend</b>
			Chalk Board, White Board, Flip Chart (Optional)	Construction Paper (1 per participant)
			Writing Utensil for above (Optional)	Glue/Paste
				Yarn
				Paint or Ink
				Pant/Ink Trays

**Preparation:**

- 1) Look at the supplemental Art Project Ideas. (Used in the Extend section.)
- 2) Read the supplemental Printmaking Information. (Used in the Extend section.)
- 3) Put ink or paint on trays. (Used in the Extend section.)



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### SHEET #2 (Front)

#### **Engage: What Do You Know?** (5 minutes)

Gather the participants together. Use these questions to have a discussion about size and measurement.

*Do you see things of different sizes around you?*

*How do you compare them? Which is biggest? Smallest?*

*Have you measured something? How do you measure something?*

*What does the word “texture” mean to you?*

#### **Explore: Story Time** (10 minutes)

Read book Goldilocks and the Three Bears. Encourage participants to listen for size words. Note: Reading this book in the exhibit is possible, depending on group size.

#### **Explain: Size & Texture** (20 minutes)

##### Size

- 1) Discuss the size descriptive words in the book. Using the 3 chairs and 3 bowls, discuss sizes. Make like piles based on size using the Size Signs. Then look for, and discuss, real-world examples of sizes around you. Add real-world examples to the previous piles.
- 2) Pair the participants up. Have the pairs share with each other:
  - a. their smallest body part
  - b. their biggest body part
  - c. the biggest thing they have ever seen
  - d. the smallest thing they have ever seen
  - e. the tallest family member
  - f. the shortest family member

##### Texture

- 3) Explain texture. Look for texture in the book’s illustrations. What things look bumpy? Smooth? Etc...

#### **Elaborate: Size & Texture Everywhere** (25 minutes)

##### Size

- 1) Using 2 Fuzzy-Stick People, model how to estimate and then measure items. Lay the Fuzzy-Stick People end to end and count how many Fuzzy-Stick People long the item measures. Continue demonstrating measuring using the measuring tape.



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### SHEET #2 (Back)

- 2) Pass out 2 Fuzzy-Stick People and 1 measuring tape to each participant. Allow them time to estimate and then measure items inside, and outside. Have them look for and measure small, medium, and large items, and make sorted piles, if possible. (Optional: Create a chart showing the item's name and how many Fuzzy-Stick People, and inches, long it measures.)

#### Texture

- 3) Review the definition of texture. Use the exhibit to explore textures, real textures and perceived textures. *Are there more bumpy or smooth things? Are there more things that appear bumpy or smooth?*

#### **Extend: Art** (30 minutes)

- 1) Gather participants together. Show sample and picture of Katsushika Hokusai's prints. Share brief life history and art genre. Have participants point out:
  - a. Sizes *Which is bigger, the wave or boat? Which appears bigger the wave or mountain in the background? Which is probably bigger?*
  - b. Textures
  - c. Optional: Review Color Hues, Color Values, Lines
- 2) Explain printmaking, discussing the different steps shown in *Artisans Making a Woodcut* by Utagawa Kunisada. Highlight that none of these are paintings; they are all prints, made from one single woodblock.
- 3) Measure a piece of yarn as tall as you. Use it to demonstrate how many waves or mountains tall you are. Then help participants measure a piece of yarn as tall as they are. Have them estimate and then measure using the yarn how many mountains or waves tall they are.
- 4) Have the participants create a design with the string and then glue it down on a piece of paper. Then have them stamp items, using paint or ink, on their artwork to add texture.
- 5) Have the participants discuss the texture in their artwork with partners, or the group. Repeat with size, if time permits.

Sources: MathArt Projects and Activities by Carolyn Ford Brunetto