

### BEAUTY IN SHAPES PROJECT (LEVEL 0)

#### Ages 4 to 5 (Level 0)

Description:	Learners will learn about shapes while using readily available examples within		
	their homes and their bodies. Learners will also use their body parts to		
	measure various things, learn about the need for standardized measurements,		
	and use what they have learned to create geometric patterns.		
Leading question:	Can shapes and measurements be beautiful?		
Age group:	4 - 5 years		
Subjects:	Mathematics: shapes and measurement, Art and design, physical exercise, and		
	wellness		
Total time required:	~4 hours over 4 days		
Self-guided /	Medium supervision from educator/guardian/parent		
Supervised activity:			
<b>Resources required:</b>	Paper and pencil, (optional: removable stickers like sticky notes).		

Learning outcomes	• • •	List the characteristics of 2-D shapes Draw 2-D shapes Write down letters of the alphabet in upper case Match 2-D shapes with objects that look like those shapes as well as letters of the alphabet that look like those shapes Learn and practice how to draw a circle, triangle, rectangle, and a square
Required previous learning	None	
Inspiration		

### Topics/concepts covered, and skills developed

- Identifying and drawing 2-D shapes
- The letters of the alphabet
- Matching objects and shapes

Day	Time	Activity
1	15 minutos	Learners will learn about and explore different aspects of 2D shapes Guide the learners' attention to the shapes below:
	15 minutes	

EAA welcomes feedback on its projects in order to improve, please use this link: <u>https://forms.gle/LGAP9k17fMyJrKJN7</u>







Triangle Rectangle Square Star Heart Circle Line Source: https://resources.educationaboveall.org/learning-packages/level-0-ages-4-5 If others guess the shape correctly, the player gets a point. • The player with the most points wins the game. Examples of how the learners can act out some of the shapes can be seen below. Triangle Square Star Learners will continue to learn how to identify shapes within their environment, practice drawing the circle and triangles and learn above 2 some measurements that were used in the past. Guide the learners' attention to the drawing below: 5 minutes

EAA welcomes feedback on its projects in order to improve, please use this link: <u>https://forms.gle/LGAP9k17fMyJrKJN7</u>

education above all



10	) - 15 minutes	Ask the learners: What shapes do you see in the drawing above? (Answers: Circle, triangle, square etc.)
15	5 minutes	Let us practice drawing snapes! Trace the following:
30	) minutes	<ul> <li>Drawing activity: Draw the sun and the clouds at the top of the page using shapes and lines.</li> <li>Critique and revision: <ul> <li>Learners present their work to their parents or family members for feedback and suggestions for improvement. The parents or family members provide feedback using the following format: <ul> <li>Praise: What did you like about the learner's work done?</li> <li>Question: Any questions or clarifications you have about the work?</li> <li>Suggestions: In what areas does the learner need to improve their work?</li> </ul> </li> </ul></li></ul>





EAA welcomes feedback on its projects in order to improve, please use this link: <u>https://forms.gle/LGAP9k17fMyJrKJN7</u>



	10 minutes	Ask the learners to draw an outline of a friend's body (it can also be from a family member). Like the image below:
		<ul> <li>Leg Length</li> <li>Full Body Length</li> <li>Reflection on measurement: Educator/parent meets with the learner(s) and have them reflect on the following questions:         <ul> <li>What have you learnt from the measurement activities?</li> <li>What do you remember the most from the measurement activities?</li> <li>What questions about measurement do you still have?</li> </ul> </li> </ul>
		Educator/parent ensures to respond to any questions the learner(s) may still have above measurement.
3	10 minutes	<b>Drawing shapes:</b> Let us practice drawing rectangles and squares! Trace the following:



Print a copy of the Circle and Triangle Tracing Worksheet for the be able to do this activity or draw the shapes yourself. <b>Literacy extension:</b> Shapes in the alphabet: Ask the learner to v all the letters of the alphabet in the upper case. Next, ask the le	e learner to vrite down
<b>Literacy extension:</b> Shapes in the alphabet: Ask the learner to we all the letters of the alphabet in the upper case. Next, ask the letters of the alphabet in the upper case.	vrite down
10 minutes identify the different shapes they can see in the different letter alphabet. See example below:	earner to s of the
ÂQ	
Next, we are going to draw some objects using the shapes we k have been learning throughout this project. 10 minutes	now and
<ol> <li>Ask the learners to draw a house using triangles, rectar squares. They will need to add details to the house and compound such as a door, windows, roof, trees etc.</li> <li>Ask the learners to draw two potted plants using shape choice.</li> </ol>	gles, and s of their
See examples below:	
The Sunny Side:	
<ul> <li>Ask the learner to get in a relaxing position and then:</li> <li>Take 3 deep breaths.</li> <li>Close your eyes and think of all the things that make you</li> <li>What comes to mind? What are you thinking about?</li> </ul>	u happy.
Draw what comes to mind in the sun below:	



		Critique and revision:         Learners present their work for the day to their parents or family members for feedback and suggestions for improvement. The parents or family members for feedback using the following format:         Praise: What did you like about the learner's work done?         Question: Any questions or clarifications you have about the work?         Suggestions: In what areas does the learner need to improve their work?
	10 minutes	
4		Learners will count the number of shapes in a house and match objects to shapes they resemble.
	10 minutes	Ask the learners to study the picture below and identify what shapes they can see in the picture. Once they have identified the shape, then ask them to count how many of that shape they can find in the picture.











	<image/> When the
15 minutes	Ask the learner some comprehension questions: • Name the characters in the story. • What was the name of the competition? • What did the circle use to make lanterns? • What did Mr. Rectangle and Mr. Square say? • Can you draw your own lantern using shapes?
	<b>Overall Project Reflection:</b> The learner will now think about all the
	exercises they have done for the past 3 days and take note of "TWO" of the following:
	<ul> <li>What is the most important lesson you have learnt</li> </ul>
	<ul> <li>What are you found challenging, puzzling, or difficult to</li> </ul>
	understand?
	<ul> <li>What question would you most like to discuss?</li> <li>What is something you found interesting?</li> </ul>
	<u> </u>
Assessment Criteria	<ul> <li>Observation checklists while learners are working on activities</li> </ul>



•	Learners understand the differences between 2D shapes (number of sides, number of angles, etc.)
•	Learners recognize shapes in objects around them
•	Learner's answers about their conclusions and reflections
•	Learner's creativity in the daily activities
•	Learners review and improve their work based on feedback
•	Learner's engage in a brief conversation based on their
	comprehension of a story.

# **Circle and Triangle Tracing Worksheet**



## **Rectangle and Square Tracing Worksheet**



# **Shape Object Matching Worksheet**

