

# FLOMO THE PATTERN DETECTIVE



Based on: Pranav the Pattern Detective by  
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# Introduction for Ministry of Education Online Early Childhood Education Teaching and Learning Materials

The Liberia Ministry of Education has developed 50 context-relevant and age-appropriate early childhood education readers. These readers would be addressing the chronic need of improving the quality of teaching and learning materials and the widespread lack of curriculum materials for foundational literacy and play-based learning. Twenty-five of these ECD readers were written by ECE master trainers and, 25 were contextualized using online open-source stories from the global digital libraries.

Welcome to this audio edition of early childhood books aligned to the Liberia Early Childhood Education Curriculum. There are 50 eBooks in this edition. The uniqueness of this Ministry of Education approach is that each book has a sign language version.

The books come in three categories or levels:

- Beginner or nursery is for children ages 3 to 4
- Intermediate or K-I is for children ages 4 to 5 and
- Advance or K-II is for children ages 5 to 6

The development and production of these books were made possible through the Bureau of Early Childhood Education of the Ministry of Education, with support from the Global Partnership for Education with funding from the World Bank. The eBooks and the accompanying audio books were designed by WE-CARE Foundation, a local educational NGO.

To access these early childhood books online, please go to the Ministry of Education website: [www.moe.gov.lr](http://www.moe.gov.lr)

"You climb the tree. It's your turn!" says Ade. "Okay. I will go," Flomo says. "Can you see the ball?" Massa shouts from below. But Flomo saw something else.



"Look! It's a beehive! Flomo cries, Massa looks worried. "What about the bees?" "Don't worry, it's empty," says Flomo. "It has many holes of the same shape."



Why did the bees choose this shape? Why not a circle? Flomo wonders. He imagines the hive in circles. That would not work.



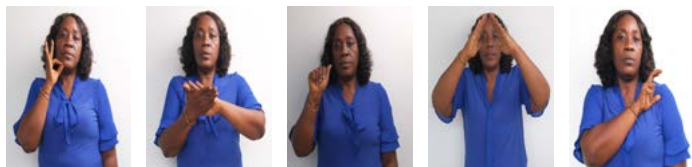
"Bees are very clever," Flomo tells his friend the next day. He has read about bees. "They use hexagons for their home. Hexagons put together have no gaps. They fit right." "The six sides of the hexagon give bees more room," says Mr. Doe, their math teacher. "How did they learn that?" asks Flomo. "Patterns are everywhere!" Mr. Doe says smiling.



At the market the next day, Flomo looks at the pineapple. He looks at the cucumbers and sliced oranges. So many sizes, colors, and shapes, but Flomo can see the patterns! Are shapes everywhere? He wondered.



Flomo becomes a shape detective!



"Nature uses some patterns over and over," Flomo tells his class the next day. "People use some patterns over and over too," says Mr. Doe. "Now here's your homework. Make something using a pattern." "What shape can we make?" Flomo asked. Mr. Doe writes the answer on the blackboard.



At home, Flomo imagines making his own hive. "Maybe I can use squares or triangles."  
"He remembers what Mr. Doe said. "Patterns are every where." He started seeing patterns.



Tiles. Rugs. Bookshelf. Windows. Shapes everywhere! Wherever he looks, he sees shapes coming together. Bees are not the only clever ones, Flomo thinks. We use shapes and patterns too!



Flomo gets busy drawing his dream house. Red rectangular blocks. Red and white square tiles at the door. Simple shapes can make a home for bees, for me, and for you!



Spot the pattern. Nature has clever ways of taking shapes and putting them together. Flomo sees this in the world around him: the outside of a pineapple, the inside of an orange, and the six sides of a bee hive. Some shapes, like hexagons and squares, fit together perfectly, leaving no gaps, but others like circles, don't. When shapes in nature fit together in repeating patterns, leaving no gaps or holes, it is called tessellation.



Reading Level: Advance (Age 5 -6)

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## Synopsis

Follow Flomo as he find different kinds of shapes.

