

# Pattern Fish

*Splash-turn-swish-dive, splash-turn-swish-dive...  
Why did everyone swim away?*

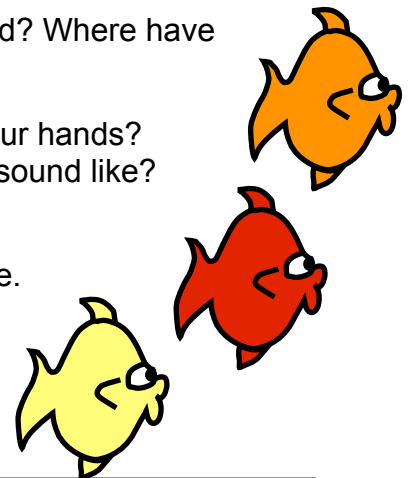
**Topics:** patterns, pattern recognition

**Math Connections:** The book, *Pattern Fish*, can be used to explore the concept of patterns and different types of patterns. When talking about patterns with your child, look for sounds, designs, or movements that occur over and over. Look for the green light, yellow light, red light sequence that happens when you stop at a traffic light. Listen for the tick-tock sound made by a clock, or notice the stripes on a shirt. Each of these is an example of a pattern.

Talk about how a pattern occurs when something repeats over and over. Have fun making patterns of your own. Draw a picture pattern, make sound patterns, make movement patterns. Identify the repeating part of different patterns. Find patterns that are made up of two different things, three different things, and four different things. Go on a pattern hunt!

**Extension Questions:**

1. What types of patterns have you noticed? Where have you noticed them?
2. Can you make a pattern by clapping your hands? What does your hand clapping pattern sound like? How would you describe it?
3. Open the book *Pattern Fish* to any page. What types of patterns do you notice on the page? How many different patterns can you find on the page? How are the patterns alike?



**AUTHOR:**  
Trudy Harris

Explore color, shape, sound, and motion patterns as seahorse, eel, puffer fish, jellyfish, octopus, and fish swim, slip, eat, blow bubbles, glide, and wiggle-jiggle-jiggle-float their way through the ocean.

**Ages:** 3 to 6 years

**Interest Level:**  
Preschool to 1st grade

**ATOS Reading Level:**  
2.5

**Lexile:** 500L

**ISBN:** 9780761317128

**Copyright:** 2000

**Genre:** Fiction

**Classification:** Picture Story Book

|   |   |
|---|---|
| <b>Vocabulary for Building Math Concepts</b>  | in, on, pattern, top, underneath, underwater              |
| <b>Vocabulary for Extending Math Concepts</b> | AB pattern, AAB pattern, ABB pattern, ABC pattern, repeat |
| <b>Vocabulary for Reading Comprehension</b>   | eel, jellyfish, murky, puffer fish                        |

**Early Math Project Resources:**

- [Patterns are Everywhere](#)
- [Patrones en Todas Partes](#) (Español)
- [Patterns with Fish](#)
- [Patrones con Peces](#) (Español)

**Online Resources:**

- [Developing Pattern Awareness with Young Children from NRIC](#)
- [Pattern Resources from Erikson Institute](#)

**Spanish Title:** Not available

**Related Books:** *Pattern Bugs* by Trudy Harris, *The Napping House* by Audrey Wood and Don Wood, *Beep Beep, Vroom Vroom!* by Stuart J. Murphy

**Find this book at your local library:** <https://www.worldcat.org/title/pattern-fish/oclc/41662497>

| Age Level          | Related Preschool Foundations and CA State Standards  |
|--------------------|---|
| Infant/<br>Toddler | <p><b>Spatial Relationships</b> The developing understanding of how things move and fit in space. <b>Imitation</b> The developing ability to mirror, repeat, and practice the actions of others, either immediately or later.</p> <p><b>Classification</b> The developing ability to group, sort, categorize, connect, and have expectations of objects and people according to their attributes.</p> |
| Preschool/<br>TK   | <p><b>Algebra and Functions 2.0</b> Children begin to recognize simple, repeating patterns. <b>2.1</b> Begin to identify or recognize a simple repeating pattern. <b>2.2</b> Begin to create a simple repeating pattern or participate in making one.</p>   |

