

# STEELHEAD SURVIVAL

Steelhead trout and rainbow trout are the same species:

*Oncorhynchus mykiss*. Both are born in freshwater, but Steelhead are anadromous, meaning they spend the adult portion of their lives in saltwater, while rainbow trout remain in freshwater their entire lives. BUT only 10% of adult Steelhead survive the dangers of river and ocean life to return to spawn again. The eggs hatch and tiny alevin emerge and they carry a small yolk sac with them. Once the yolk sac is consumed the young Steelhead feeds on tiny river dwelling organisms. As they grow Steelhead develop black bars along their sides called “parr marks” and are often called parr or fingerlings since they are the size of your finger. A Steelhead parr will then begin to smolt. Smoltification is the process by which Steelheads become capable of living in salt water. Once the parr has smolted, it is ready to swim out to sea and begin its life as an adult Steelhead.

## GOAL:

In this game you are a Steelhead Trout trying to migrate to the ocean and back to complete your life-cycle before the rest of your school!

## RULES

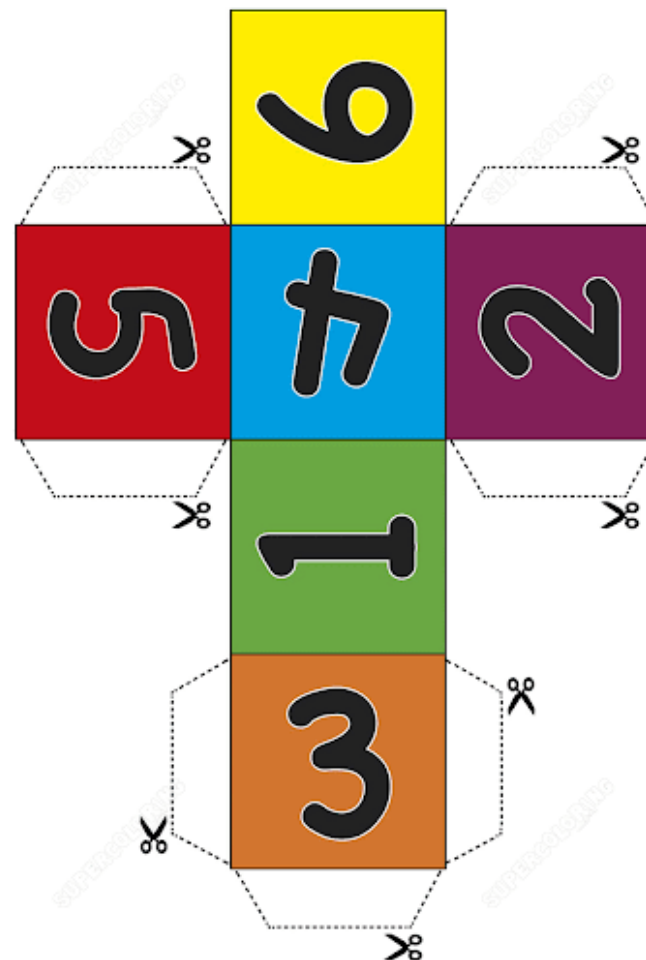
2—8 Players

1. Have each player roll the dice. The player that rolls the highest number will start. Then players will go in a clockwise order.
2. Roll the dice and move your game piece along the board game.
3. If you land on one of the life stages you can earn another turn. Roll the dice if you role a 5 or 6 you get another turn. If not, the game continues to the next player.
4. Make it back to the ocean as a mature steelhead before the other fish and you win!



## PRINT OUT COMPONENTS:

- \* 1 game piece per player
- \* 1 dice
- \* 1 board game



**SPAWNING  
ADULT**

**EGGS**  


Lays Eggs →

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Smoltification Time ←

**SMOLT**  


Time to Hatch ↓

↑ Grow, Grow, Grow, Your Fins

**FINGERLINGS**  


Back to Salt Water We Go →

Just Keep Swimming Upstream ↑

← YAY

**START**  
Mature Adult  
in the Ocean



**OCEAN  
ADULT!!!**

**PARR**  