

Sea Perch

Why you want it!

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Advantages

- Very easy to build.
 - Easy materials to work with.
 - PVC
- All the materials are in the kit.
- Instruction are easy to follow.
- The kids with little or no building experience gain confidence.

Sea Perch accommodates all skill levels

- The Sea Perch kit allows for creativity.
 - The kit provides the basic parts.
- Students quickly imagine ways they can “build” on the basic kit.
- Students can move from simply following directions to thinking for themselves.
- Students gain Problem-solving skills.
- They become engineers without knowing it!

Sea Perch Teaches

- Students learn principles of physics.
- Net Forces on a body:
 - Buoyancy (Lift)
 - Weight
 - Thrust
 - Drag
 - Torque(s) acting on the body
- Either you do it right or it doesn't work!

Sea Perch Teaches

- Students learn principles of Electricity.
 - Motors
 - Switches
 - Wiring
- Students learn principles of Troubleshooting.
 - Electric wiring is easy for them to understand and troubleshoot.

Sea Perch Fosters Teamwork

- Students can work alone, but more often than not, they will work in teams.
- Each student contributes different skills to the team.

Issues

- Where to find water?
 - Community Pools are the best.
 - Bathtubs
 - Ponds/Lakes

Where to go from here?

- If we have a critical mass of Sea Perch Projects...
- Competitions!
 - Competitions are fun.
 - Competition is a very efficient way to learn.
 - The education stays with you.