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.