

INDUSTRIAL DESIGN CONCEPT

CONCEPT NAME:

AQUA HELIX

COMPETITION CHALLENGE: Design a physical product solution that allows people to safely enjoy the benefits of Michigan's diverse water resources.



CONCEPT DESCRIPTION

Aqua Helix is a fun and portable watersport game that combats obesity through the benefits of water exercise. Due to the fact that one in three children in Michigan, ages ten to seventeen, are overweight or obese, we designed this water game for ages six and up. Aqua Helix is an invention that will build healthy bones, muscles, and joints in those who play the game. It will also control weight gain and reduce fat, which in turn will help prevent high blood pressure. This will help improve mental health and promote enjoyment and happiness.

The industrial design solution uses a plastic pole in each of two floating pads- situated perpendicular to the pad. The floating structure is anchored to the water floor using nylon rope attached to sand bags. The throw-rings and floating part of Aqua Helix will be made of rubber and high-visibility colors to help players locate the rings in the water. Aqua Helix empowers people to be more active!

IDEA DEVELOPMENT & MENTORING



FINALIST BIO



**Wyatt Veltman
Jacob Fritz**

SCHOOL:
**Surline Middle School
West Branch -Rose City
School District**

AGE GROUP:
6th - 12th Grade

MDC EVALUATION

JUDGE'S COMMENTS:

"I like the simplicity of this game- it's very realistic and can be easily marketed.. my kids would love this!"

"This game will enhance hand-eye coordination- with a focus on fun- and it will keep kids in the water!"

"The design solution is dynamic and uses form and color to create excitement"

INDUSTRY PARTNER:



www.michigandesigncouncil.org