

BOAT BUILDING CHALLENGE

GRADES

Middle School

SUBJECT AREAS

Math and Design

Host Teacher/Designer : Jen Eddie

ACCESS NEEDED: INTERNET

THE CHALLENGE: BUILD A CARDBOARD AND TAPE BOAT THAT CAN FLOAT FOR MORE THAN A MINUTE WHILE PADDLING THROUGH A BODY OF WATER (YOUR CHOICE, NO RIVERS PLEASE 😊)!

WHAT TO EXPECT..

You can learn many of the Math 8/9 concepts and complete extra practice to hone your math skills

OR

Do only the Math you need to build.

MATH CONCEPTS:

Squares, square roots.

Cubes, cube roots.

How to use nets

Surface area, volume, and buoyancy.

Measurement

Pythagorean Theory

Ratios, and Percents.

Use feedback and growth mindset to engage your family in the process!