



# MAIN-LAND

ENGINEERS. SURVEYORS. SCIENTISTS

Development

Consultants, Inc.

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## 2024 MAIN-LAND TECHNICAL SCHOLARSHIP APPLICATION

The Main-Land Technical Scholarship is designed for applicants planning to attend a technical school for fields such as construction trades, engineering, surveying, sciences, computer technology, and math or science teachers. This year’s scholarship award is \$500.00.

The chosen applicant will receive the scholarship after successfully maintaining a 2.8+ GPA for their first semester and continuing their education at a technical school. Scholarships are paid to the student.

### Personal Information

Name: \_\_\_\_\_ D.O.B. \_\_\_\_\_  
High School Attended: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Residence Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_  
Parents Names: \_\_\_\_\_

### School You Plan To Attend

Name: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_  
Have you been accepted? \_\_\_\_\_  
What field/major do you plan to pursue: \_\_\_\_\_

### Qualification Summary

Awards, Honors, Academic Achievement: (National Honor Society, Honor Roll, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

Extracurricular Activities: (Athletics, Service and Academic Clubs, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

Community Services and Charities: \_\_\_\_\_  
\_\_\_\_\_

## Design Problem

You are launching your 16 foot long, open-top, aluminum boat early one morning to go fishing in a pond, and you hope to get to the prime spot before your friends get there. But as soon as you leave shore, you realize that you didn't put in the drain plug! The boat quickly fills with water and sinks into 10 feet of water only 20 feet from shore. Thinking quick this time, you grab the end of the 30-foot bow rope and swim to shore.

The boat weighs 500 pounds, drags on the bottom, and is too much to pull out alone. You manage to get it back pointing towards shore, but that is as far as you can pull it along the pond bottom. You pull with 150 pounds of force on the rope- all you can muster- but the boat does not move. You correctly think twice that much force might work. However, you have no vehicles, winches, or other boats there to help you.

But someone left a rusty metal pipe that is 60 inches long and 1 inch in diameter, 2 fully enclosed, empty, plastic barrels of 55 gallons each, and a pile of old 2x4s. Plus, you have 100 feet more rope that floated to shore, a pocket knife, the roll of duct tape that you never let out of reach, and a soggy ham sandwich.

In 300 words or less, and a sketch drawing if you wish, describe how to get your boat out before your friends show up. Explain why your method would work. (You may wish to attach a separate sheet of paper)

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As a scholarship applicant, and including the Parent or Guardian, I understand and agree that (1) I shall report to the scholarship committee any changes in my academic status; (2) the scholarship committee is authorized to call educational institutions to verify compliance with the terms herein, and (3) I affirm that the information submitted in this application is true to the best of my knowledge. I also understand and allow that award of the scholarship, award and amount of the funds, my name, my image, and the circumstances of the scholarship can and will be used by Main-Land as marketing and advertising, in private and in public, including newspaper and social media.

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

I hereby certify that the foregoing information is correct to the best of my knowledge.

Parent or Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Please return the completed application along with supporting material by May 25, 2024.

You may mail the material to Main-Land Development Consultants, Inc. P.O. Box Q, Livermore Falls, ME 04254 or drop it off at 69 Main Street, Livermore Falls, ME.