

Five teams of two from EPrep used the design process to create a transport for an army man across a fishing line using limited materials. Three groups were successful. A team member was allowed to initiate the motion of the vehicle or device but was not allowed to provide forward momentum.

Student Outcomes and Engineering Connections:

1. Students will be able to design and build a device that transports an army man across a fishing line using limited materials.
2. Students will be able to explain design considerations based on concepts of potential and kinetic energy, and forces.
3. Students will be able to utilize the three step design process to meet an engineering challenge.

