



SURFACE CATHETER FOR POOLING BLOOD



SCHOOL: EAST COOPER CENTER FOR ADVANCED STUDIES

LOCATION: MOUNT PLEASANT, SC

FLIGHT PROVIDER: BLUE ORIGIN

GRADES: HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

We are designing a surface catheter/blood suction device that can be used in medical settings during long-term space travel. Fake blood will be dispensed using a spring and syringe system, and will then be collected by a second chamber that will measure the volume. A check valve will be used to keep the collected blood in place. We hope that the findings from our project will contribute to making space a safe place to travel.