



## NORA STRATE-SEAWEED BASED SUBSTRATE FOR E. T. TRAVEL



**SCHOOL:** PENNFIELD MIDDLE SCHOOL

**LOCATION:** HATFIELD, PA

**FLIGHT PROVIDER:** BLUE ORIGIN

**GRADES:** MIDDLE SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Our project aims to test Nori as a substrate to grow crops for future use in space exploration. In our experiment, we will use a mixture of isomaltose and agar to hold layers of Nori together. Along with this, channels within the substrate will carry water from any point to the plant. Once in flight, water will be released into one of the two bricks of the substrate to test how capillary action works in microgravity. A camera will be used to observe what happens to the substrate.