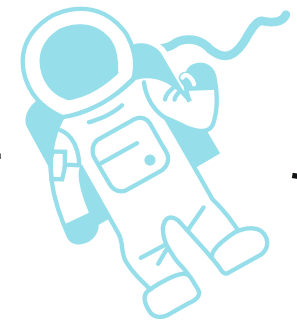


# PARENT NOTES: SPACE SUITS!

## SPACE SUIT TESTING MACHINE

Today, we learned about the technology which goes into space suits, and how they are formed of many layers with a tough outer layer to stop tiny micrometeoroids from punching a hole in the suit while the astronaut is out in space. We built a space suit testing machine which helps us to test how materials survive when tiny projectiles are fired at them! We learned how more layers can absorb the energy from the projectile which will keep the astronaut safe.



### ASK YOUR CHILD

**What did you make today?**

(A space suit testing machine)

**How does an astronaut's space suit work?**

(It needs many layers to absorb the force of impact from tiny flying pieces of rock called 'micrometeoroids')

**How many layers of tissue does your machine need before the projectile can't get through?**

**What did your projectiles look like?**

(Blu tack, dried pea or lentil, raisin)

**Why do you think a space suit testing machine is a good idea?**

(lets us build and test things here on earth so we know that astronauts will be safe in space)