

2021 AUTUMN HOLIDAY PROJECT!



Please post your photos on Facebook and tag St. Paulinus and/or email your pictures to the year groups emails.

S

Question, experiment, test and observe

Decomposing Pumpkins!

You may have noticed changes in your carved pumpkins after Halloween, but have you looked closely before? It's best to place your pumpkin outdoors for observation to watch the shape and texture change; maybe you'll spot some mold! - *When food goes mouldy we observe colonies of unwanted fungi, which alter the taste of food and usually makes it unappealing or even dangerous to eat. Ensure children do not taste or put any of the items used in this activity near their mouths. Children must always wash their hands thoroughly with soap and water afterwards.* - CLEAPSS guidance.



T

Process and connect information

Flashlight Constellations!

You'll need a torch, some card (or bun cases and an elastic band) and a pen to create this night sky projector! Draw round the torch end to create the correct sized card circles, or simply hold a bun case in place with an elastic band over the end. Choose a range of constellations online and pierce the card with the point of your pen or a needle (with adult supervision). Can you find your star sign? Some constellations have fun stories attached to them!



E

Invent, evaluate and improve

Pumpkin Tunnels!

You will need: Large pumpkin, battery operated tea light candles (optional; for effect), tracks and cars (Hot Wheels, Lego, K'Nex, wooden, Skalextric, etc). Set up: Pick your pumpkin, clean it out, and carve out two openings to make your pumpkin car tunnel! Build the track to create your own car race through the tunnel - you'll have to set up tracks just right for the jump/ correct height and then evaluate what went wrong and what could be done differently.



A

Explore and express

Autumnal Leaf Bowl

You will need: Loose leaves (or leaf garland), PVA glue, brush, balloon, bowl. Blow up your balloon and tie it. Insert in, top-down into the bowl. Spread the glue onto the balloon, starting at the top and working the way down about 1/4 of the way down (or however "deep" you want your bowl). Apply the leaves one at a time, applying more glue to each leaf as you apply. Cover the entire area you want for your bowl. Be sure not to leave any open spots. Let it dry overnight. Pop the balloon and carefully peel it away from the leaves.



M

Use tools and structures

Pumpkin Measurement Activities!

Get mathematical with your pumpkin this autumn!
 How tall are you in "pumpkins"?
 How heavy is it?
 How round is your pumpkin?
 Does it sink or float?



Pumpkin Measurement Activities!



How tall are you in 'pumpkins'?



Choose only one pumpkin as your unit of measure, then see how many times it would repeat to be as tall as you!
KS2 - add some numbers in here, too
(cms, multiplication, fractions).

How heavy is your pumpkin?



Two empty rectangular boxes for writing, each with a 'FACE' label above it.

It is heavier than a _____
It is a lighter than a _____

How round is your pumpkin?



Two empty rectangular boxes for writing, each with a 'FACE' label above it.

Find out the diameter of your pumpkin using string to wrap round the widest part.

Does your pumpkin sink or float?



Three words to describe your pumpkin are:

Credits: S - PUMPKIN DECOMPOSITION: <https://littlebinsforlittlehands.com/pumpkin-jack-rotting-science-experiment/>
T - TORCH CONSTELLATIONS: <https://www.handmadecharlotte.com/diy-constellation-flashlight-discs/>
E - RACE TUNNEL: <https://littlebinsforlittlehands.com/hot-wheels-pumpkin-tunnel/>
A - LEAF BOWL: <https://www.tosimplifyinspire.com/diy-fall-leaf-bowl.html>
M - PUMPKIN MEASURING: <https://thestemlaboratory.com/pumpkin-investigations/> (USA version)
CLEAPSS reference - <http://primary.cleapss.org.uk/Resource-File/P006-Growing-funqi-on-food.pdf>