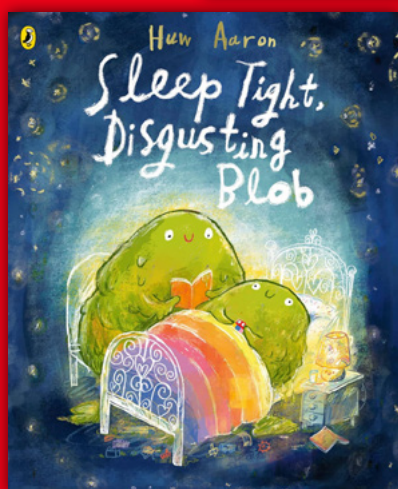
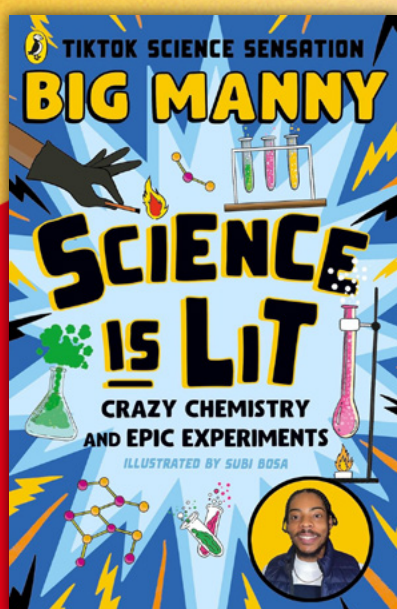


Season's Readings 2024

STORY MAKERS SHOW



WELCOME STORY MAKERS

Here you will find all of the missions and activities from your Season's Readings Show. Simply print this pack and watch the show when it is available from MONDAY 2ND DECEMBER 2024 as part of your festive celebrations.

To make sure you're signed up to watch, scan the code on this library card:



YOUR CREATIVE MISSIONS

CREATE YOUR CHRISTMAS CATASTROPHE STORIES

Inspired by *The Christmas Tree Mouse* by Joseph Coelho and Farah Shah

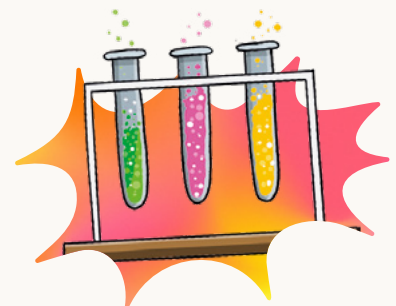
- Choose your own Christmas Tree Critter and set it a Christmas Mission – from making Santa's footprints disappear, to checking all the presents under the tree are correct. Create a Christmas catastrophe for it to solve and save Christmas!



EPIC EXPERIMENTS AND SCIENCE STORIES

Inspired by *Science is Lit* by Big Manny

- Create your own mad cool stories about the elements Oxygen, Hydrogen and Carbon and how they react to each other..
- Read Big Manny's instructions on how you can do the epic chromatography experiment with a felt tip pen that he'll be demonstrating on the show..



CREATE YOUR OWN MONSTER BEDTIME ROUTINE

Inspired by *Sleep Tight, Disgusting Blob* by Huw Aaron

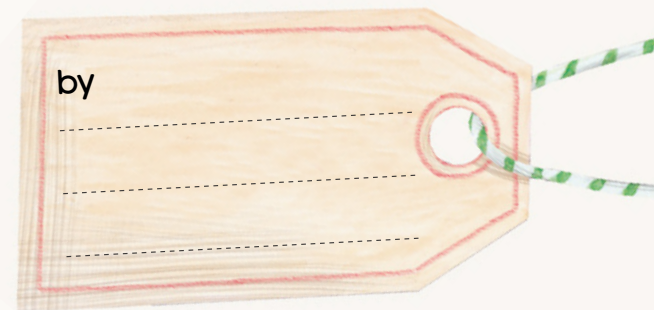
- Take part in a disgusting draw along, making your own monster inspired by Huw's book '*Sleep Tight, Disgusting Blob*', and dream up plan a boring bedtime routine for your monster them to do before bed!
- To draw along LIVE with the show, your students will need: A piece of paper, and crayons or colouring pencils that you can find around your school or home (...the more disgusting, the better).





THE CHRISTMAS CATASTROPHE

Inspired by: *The Christmas Tree Mouse*
by Joseph Coelho and Farah Shah



CRITTER CHARACTER IDEAS

Use the list of Christmas Tree Critters to the left to give you some ideas for your own characters.

WHAT IS YOUR CHOSEN CHRISTMAS CRITTER CALLED?



CHRISTMAS TREE
CRITTERS ASSOCIATION

STAFF

Critter's name:

Critter's mission:

Special skills:

CRITTER ID CARD

Fill out your critter's ID card
and draw their picture



USE THE STRING OF LIGHTS TO WRITE
NOTES FOR YOUR OWN CHRISTMAS CATASTROPHE STORY.



Monster's Bedtime Routine

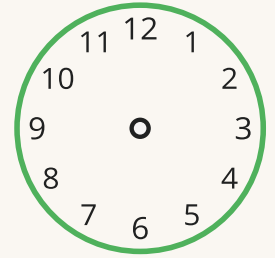
Inspired by: *Sleep Tight Disgusting Blob* by Huw Aaron

Make a monster and draw their boring bedtime routine

Monster's name:

.....

Bed time:



This monster's nightmares include:

.....

Bedtime Routine

Step 1

.....
.....



Step 2

.....
.....



Step 3

.....
.....



CHARACTER CARDS

Inspired by: *Science is Lit* by Big Manny

Come up with stories inspired by the personalities of these elements and how they react to each other using the characters cards.

OXYGEN



WHEN CARBON AND OXYGEN GET TOGETHER, THEY FORM CARBON DIOXIDE. CARBON DIOXIDE HAS MANY USES - FOR EXAMPLE, IT MAKES THE BUBBLES IN FIZZY DRINKS!

♥ **CHARACTERISTICS**
Has so many friends they can't keep track of them all (reacts with many elements).



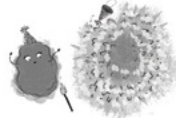
LOVES 😊😊
Getting lit! (Oxygen is essential for combustion.) Hanging out with hydrogen ($H_2 + O = \text{water}$)

GOOD AT ⭐️⚡️
Being the life of the party (oxygen is essential for life!)

HYDROGEN



♥ **CHARACTERISTICS**
Usually chill and light-hearted (hydrogen is the lightest element).
⚡️ But say the wrong thing and it can get **EXPLOSIVE** (hydrogen is very flammable).



LOVES 😊😊
Oxygen ($H_2 + O_2 = \text{water}$)

GOOD AT
Athletics - running and jumping (because hydrogen is light on its feet!)



CARBON



☀️ **CHARACTERISTICS**
Loves summertime and BBQs (Charcoal is burned for cooking.)
🔪 pretty tough (carbon is solid at room temperature)



LOVES 😊😊
Hanging out with oxygen ($C + O_2 = CO_2$)

GOOD AT ⚡️
Bringing energy (because it's a fuel!)



LET'S SPLIT

Inspired by: *Science is Lit* by Big Manny

CHROMA-WHAT-NOW?



KRO - MA - TOH - GRA - FEE

We've all been there – sat in lessons waiting for the bell and you're messing around with your pen then **BOOM!** Your pen explodes. Ink splattered all over your hands, desk – even on your shirt! **But as you try to scrub off those blotches from your skin, have you ever wondered what this stuff is even made of?**

Pen ink is a mixture that contains something we call **pigments**. Pigments are basically pure colour: they are substances that are able to change the colour of reflected light, so that it appears as a certain shade to the human eye. For example, green ink contains a mixture of yellow and blue pigments to make green. Most pigments are **inorganic** (or human-made) but there are some pigments in nature too.

Chromatography allows us to see all the different-coloured pigments within an ink droplet, just by using water! Some of the pigments are more soluble than others, which means they dissolve more easily, so the water can carry them further. This splits the ink into a rainbow of different-coloured pigments.



LET'S SPLIT

DIFFICULTY LEVEL:
Come On Now



EXPERIMENT CHROMATOGRAPHY

Inspired by: *Science is Lit* by Big Manny

Ite, BOOM! We're gonna do a likkle experiment. We're gonna separate the pigments in some ink and see which pigment is the most soluble.

SO JUST LIKE LAST TIME, WE NEED OUR HYPOTHESIS, INIT - OTHERWISE WE DON'T KNOW WHAT TO LOOK OUT FOR. I'M EXPECTING TO SEE THE YELLOW PIGMENT DISSOLVE THE FASTEST, SO LET'S TEST IT AND SEE WAGWAN.

This is our equipment list:

- ★ a small piece of paper
- ★ a green felt-tip pen
- ★ a pair of tweezers
- ★ a small glass of tap water
- ★ a ruler



METHOD

1. Draw a round dot on the small bit of paper with the green felt-tip pen.
2. Grab your tweezers.
3. Grip your piece of paper with the tweezers and hold it over the glass of water so the edge of the paper is just touching the surface of the water.
4. You'll start seeing the water travel from the glass and up along the paper until it passes over the ink.
5. Once it reaches the ink, it should carry the pigments along with it.
6. The pigment that has the most solubility will be carried further up the paper by the water.
7. The pigment with the least solubility will be left behind and won't be carried up as far.
8. Use your ruler to measure the distance from the ink circle to where each pigment stopped.

OK - GO AHEAD
AND TRY THAT!
PIGMENT SETTINGS.



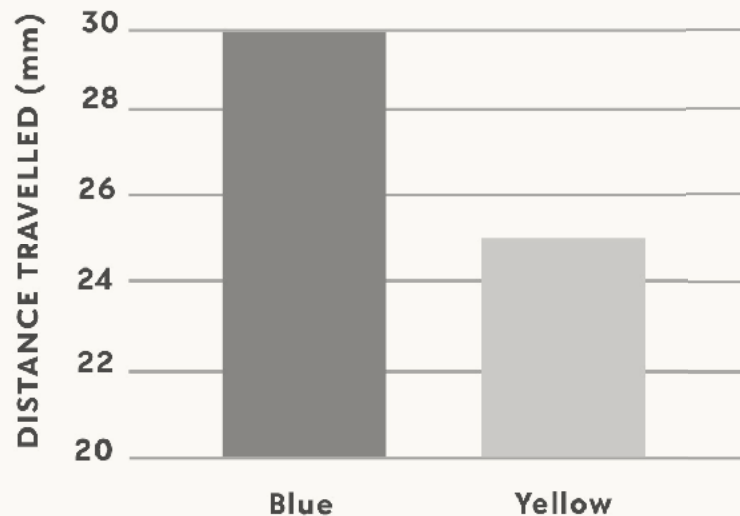
LET'S SPLIT

Inspired by: *Science is Lit* by Big Manny

RESULTS

Now that our green ink has been separated into two pigments, which one turned out to be the most soluble? Your results might look something like this.

PIGMENT	DISTANCE TRAVELLED (MM)
Blue	30
Yellow	25



CONCLUSION

Did yellow travel the furthest along the paper? Nah, this time our hypothesis was incorrect! We can conclude that blue pigment is more soluble in water than yellow pigment because it travelled further. The yellow pigment is less soluble in water. The reason why the pigment with higher solubility will travel further is because it has a stronger electrostatic force of attraction with the water. It's as if there's a strong magnet pulling the blue pigment along. The yellow pigment is pulled along by the same kind of force, but it's not quite as strong, so it doesn't travel as far.

EVALUATION

So how could we improve this experiment to make it more precise? Well, we could repeat it more than once and make sure that we get similar results each time. **But how would we improve the accuracy?** We could measure the amount of water we put into the glass. This would make our results more accurate. We could also make sure that we used the same type of green pen for each test.



SHARE HOW YOUR CLASS ARE TAKING PART

We want to see how your class is taking part in our Story Makers Shows and Missions. You can tag us on Instagram @PuffinBooksUK or X @PuffinBooks with the hashtag #StoryMakersShow, or email the team at puffinschools@penguinrandomhouse.co.uk with Story Makers Show in the subject line.

FIND MORE STORY MAKERS SHOWS

You can browse more Story Makers Shows on our website and complete all of our Story Making Missions as a class! From creating magical stories with Greg James and Chris Smith, to taking part in fun draw-a-longs with Dapo Adeola and Olaf Falafel, there's lots of creative Story Making Missions to explore.

START YOUR OWN TOP SECRET BOOK CLUB

With tons of previous Story Makers Shows to watch and lots of Story Making Missions to complete, you'll have everything you need to host a book club at your school!

STORY MAKERS LIVE! AT YOUR SCHOOL

Rosie Tells Tales, the host and creative producer of our Story Makers Show can bring the magic of The Puffin Library to your school for a LIVE roadshow. Exercise imaginations with Story Making games to win books for your school library - find out more [here](#).

JOIN US AGAIN IN MARCH

Join us again in March for a special World Book Day Show where we'll be welcoming Huw Aaron back in the library (this time to talk about Graphic Novels!), author of *The Swifts* Beth Lincoln, and author and illustrator Nadia Shireen who will be introducing us to her World Book Day book, *Barbara's Very Important Guide to Moods!*

