

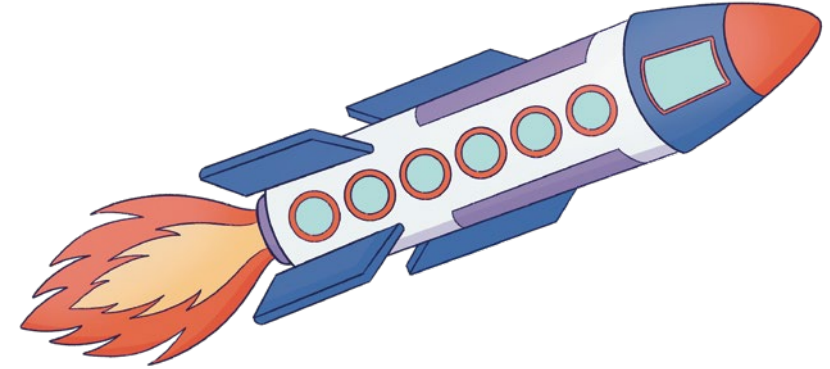
THE ANIMATES

LEARNING IN LIVERPOOL



Written by Natalie Reeves Billing

Illustrated by Hannah Jesse



The Animates

Learning in Liverpool

Written by Natalie Reeves Billing
Illustrated by Hannah Jesse

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Body typography set in **OpenDyslexic** font.
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INNOVATION IS FOR EVERYONE!

Innovation is about using your
curiosity, imagination and
creativity to make things better.

The very best innovations happen
when we work together with
others.

Lots of the words on the
following page are an important
part of innovation.

GLOSSARY

ASTROPHYSICISTS

Astrophysicists use science to help them understand our universe, and its stars, planets, and galaxies.

SCIENCE PARK

A science park is a building or building complex which is home to businesses and researchers, pushing the boundaries of scientific invention!

BLISTER PACKS

Blister packs are small plastic packages used for storing small, edible things such as vitamins and medicines.

INNOVATION

Innovation is an exciting new product, invention, service or design. It is creating something that wasn't there before.

ANTI-VENOM

Anti-venom is a medicine used to protect people against venom. Venom is a poison released by a snake or insect, usually through a bite, sting, or other form of contact.

MANUFACTURING

Manufacturing means to make. It takes raw materials, like wood, glass, metal, and builds them into all the things we use in our world, like computers, furniture, cars, using machines and people power.

HYPERDRIVE

Hyperdrive doesn't exist yet – only in the movies! But if it did exist, it would allow us to space travel faster than the speed of light!

FORMULA

A chemical formula explains what something is made of. Chemicals are tiny things that make up everything around us, like the air we breathe, the water we drink, and the shampoos we use.

AI (ARTIFICIAL INTELLIGENCE)

Artificial Intelligence, or "AI," is the ability for a computer to think and learn. With AI, computers can do tasks that are usually done by people.

G-FORCE (GRAVITATIONAL FORCE)

G-Force is invisible and what you feel when you're on a roller coaster. It's a measure of how much force you feel when speeding up, slowing down or turning.

VR (VIRTUAL REALITY)

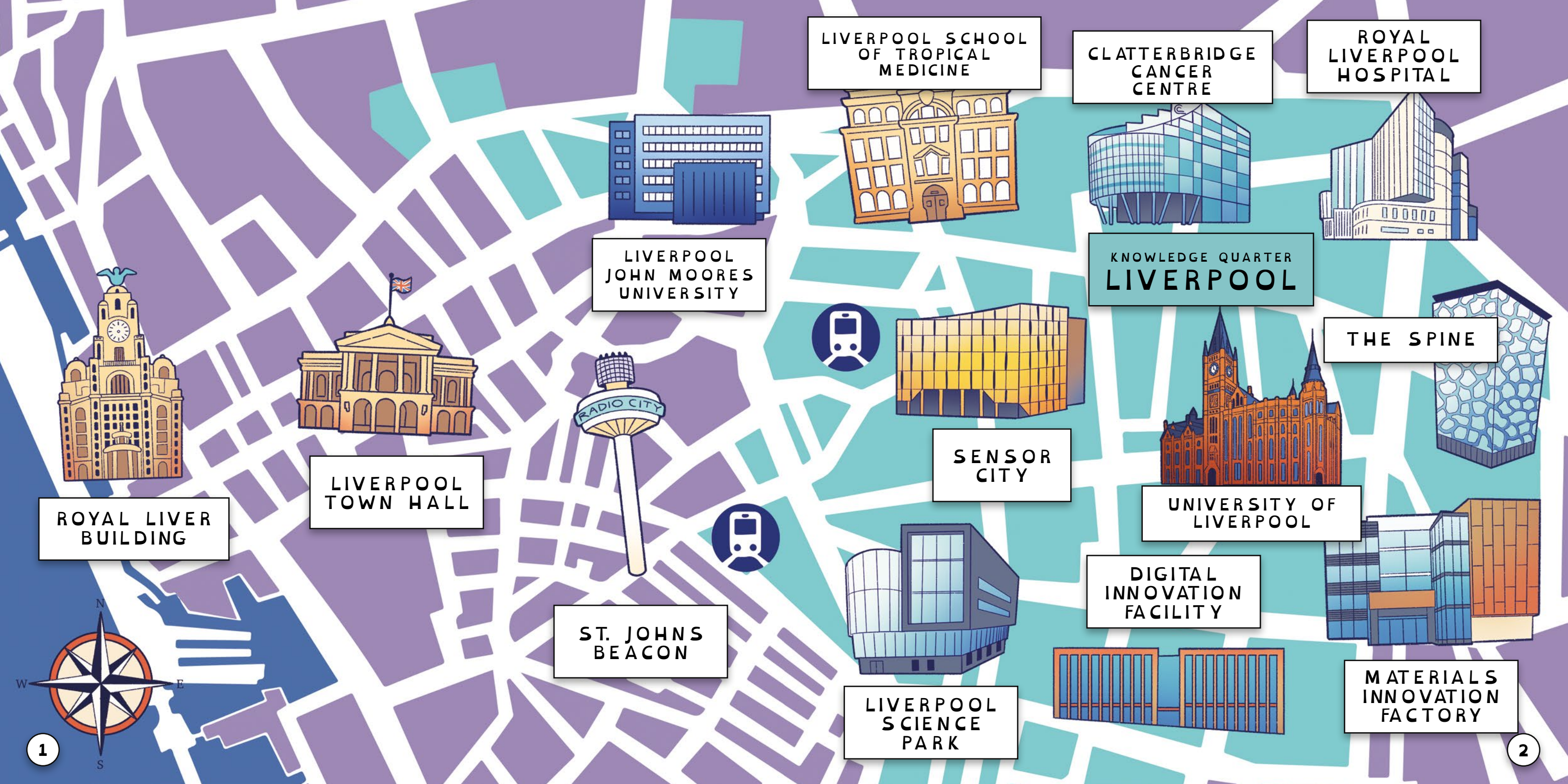
Virtual reality is a digital experience that makes the user think they are in a different place or world. For example, you could be climbing Mount Everest or racing with cheetahs, all from your front room. If you spot someone with handheld controllers and a goggle-like headset over their eyes, they're probably using VR!

CHAIN REACTION

Imagine lots of dominos standing up in a row but one gets knocked down and they all fall down! A chain reaction is where one thing happening bumps into something else, setting off a whole series of events.

INTERFACE

Have you ever seen the buttons or menus on a mobile phone, TV or computer? An interface lets you control what happens on the screen of a device.



ROYAL LIVER BUILDING



LIVERPOOL TOWN HALL



ST. JOHNS BEACON



LIVERPOOL JOHN MOORES UNIVERSITY



LIVERPOOL SCHOOL OF TROPICAL MEDICINE



CLATTERBRIDGE CANCER CENTRE



ROYAL LIVERPOOL HOSPITAL



SENSOR CITY

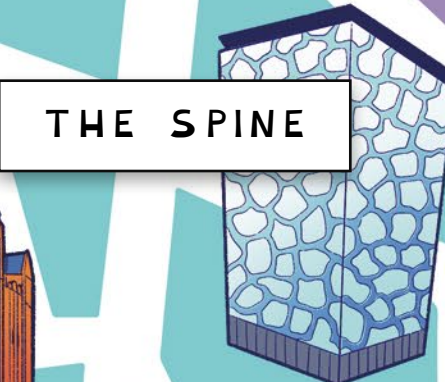


LIVERPOOL SCIENCE PARK

KNOWLEDGE QUARTER LIVERPOOL



UNIVERSITY OF LIVERPOOL



THE SPINE

DIGITAL INNOVATION FACILITY



MATERIALS INNOVATION FACTORY





BOING BOING BOING

WHOOOOOOOSH

Six school kids went on a mission. They'd won a science competition, received a super awesome prize, to blast them off into the skies.

WEEEEEE EEEEEEE EEEE

CRASHHH

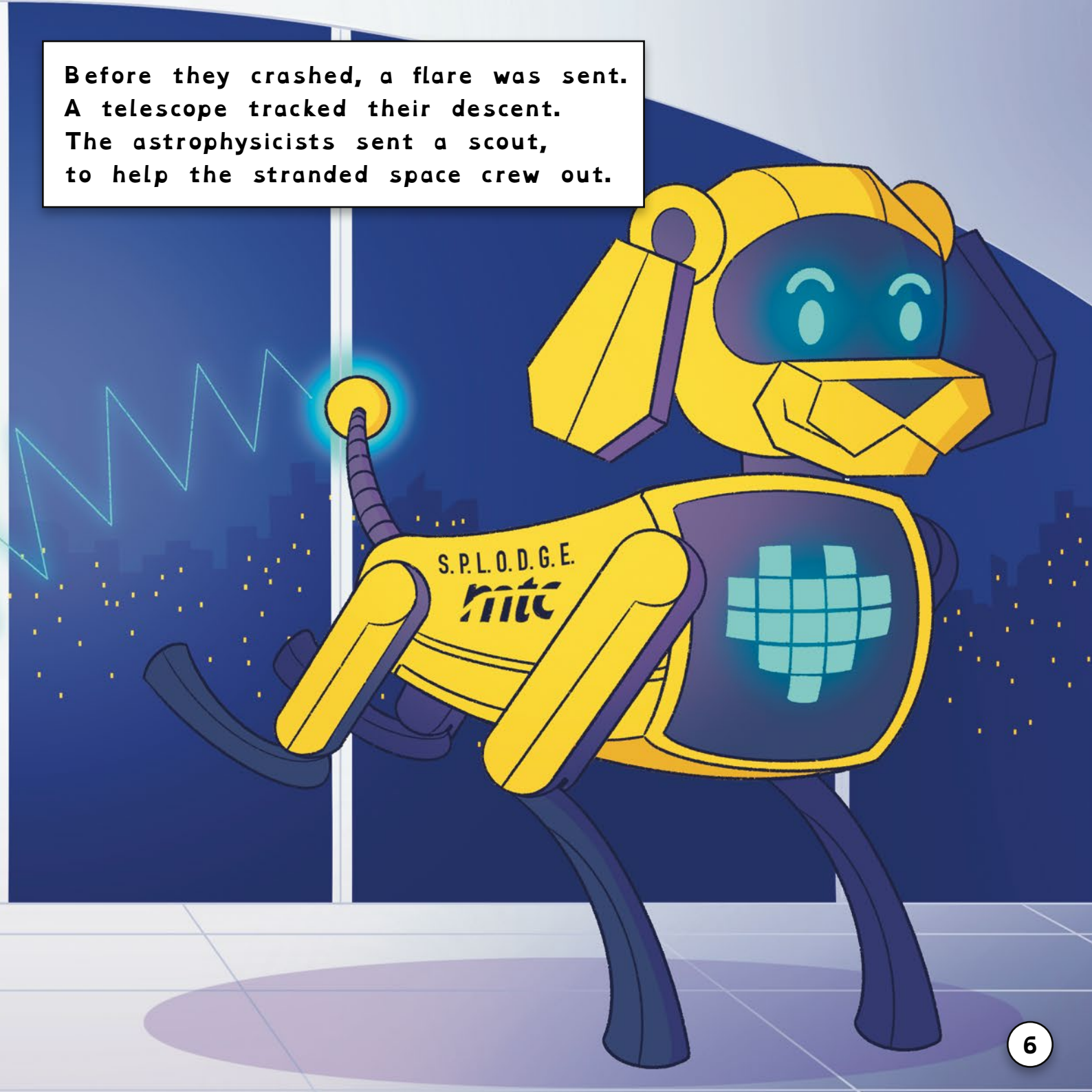
But then they crashed from outer space, into this unexpected place...



LIVERPOOL
JOHN MOORES
UNIVERSITY

ROBOTIC TELESCOPE
VISUAL REPORT:
CRASH LANDING
AT LIVERPOOL SCIENCE PARK
SEND ASSISTANCE!

Before they crashed, a flare was sent.
A telescope tracked their descent.
The astrophysicists sent a scout,
to help the stranded space crew out.



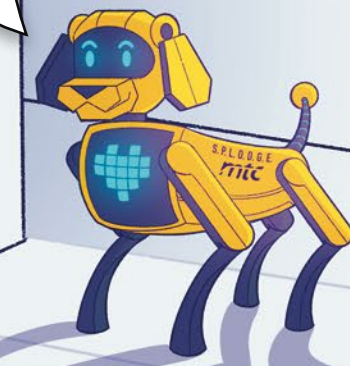
S.P.L.O.D.G.E.
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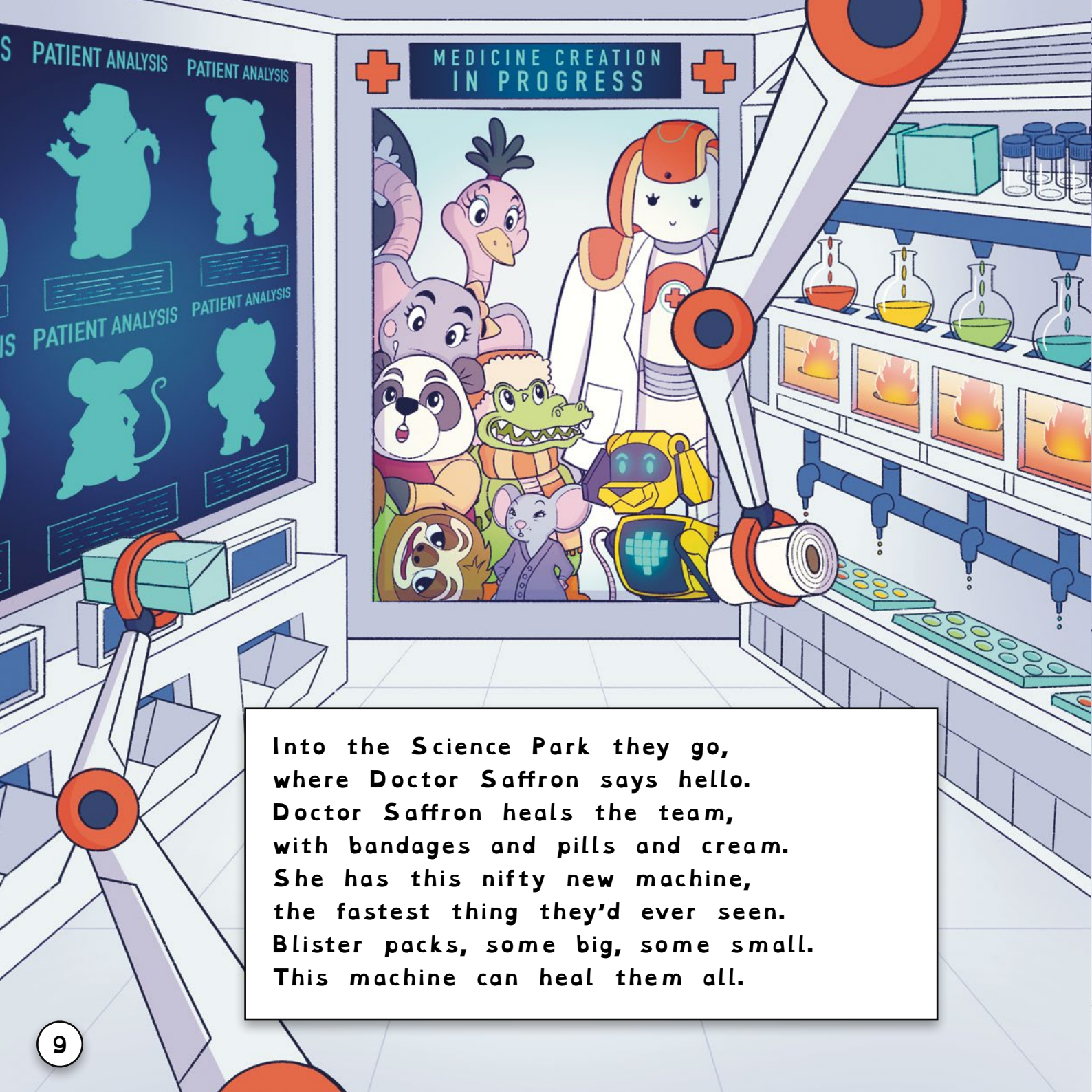


Their joy deflated like a balloon,
they hadn't even reached the moon!
They'd not long blasted off from school,
now they are here in Liverpool.
How will they get back into space?
They see a strange robotic face...



HI I'M SPLUDGE, I'LL BE
YOUR GUIDE.
I'LL TAKE YOU ON A TOUR INSIDE.
KQ LIVERPOOL IS THE PLACE,
TO HELP YOU GET BACK INTO SPACE.
BUT FIRST, YOU'LL NEED SOME
MEDICATION.
I'LL TAKE YOU TO THE HEALING
STATION.

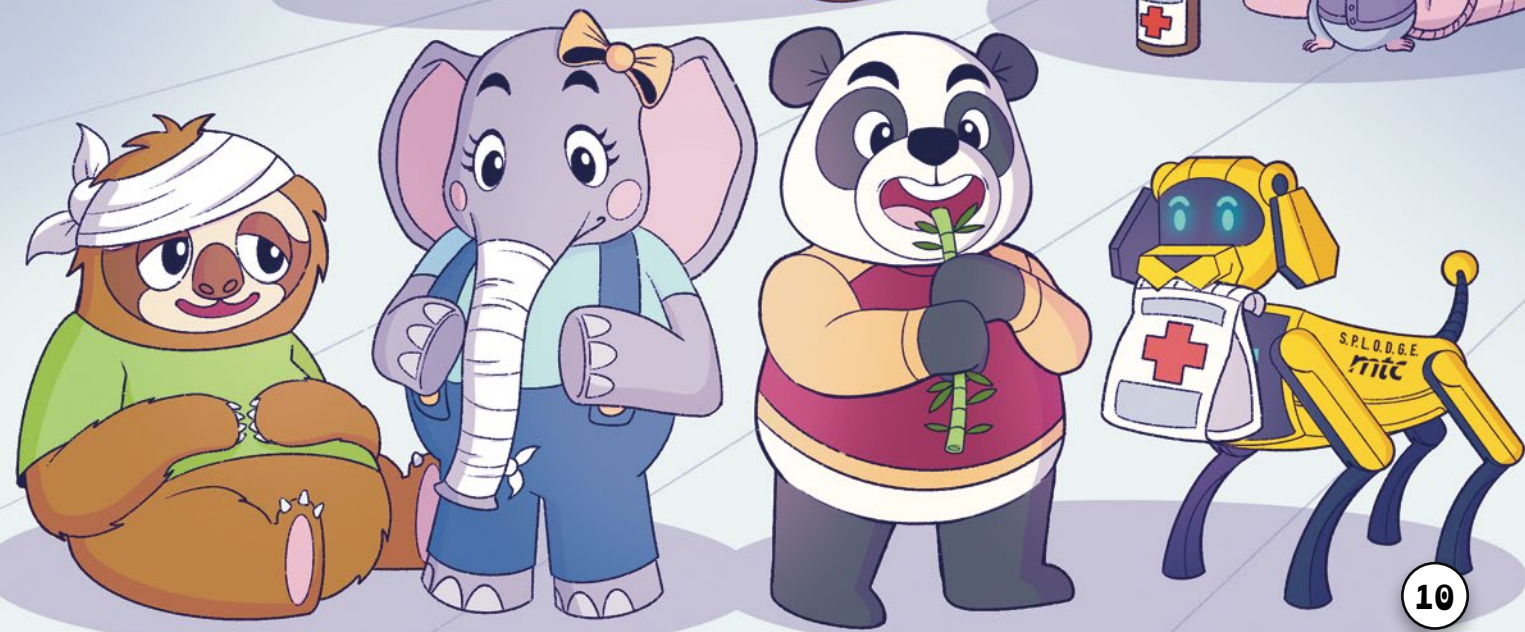




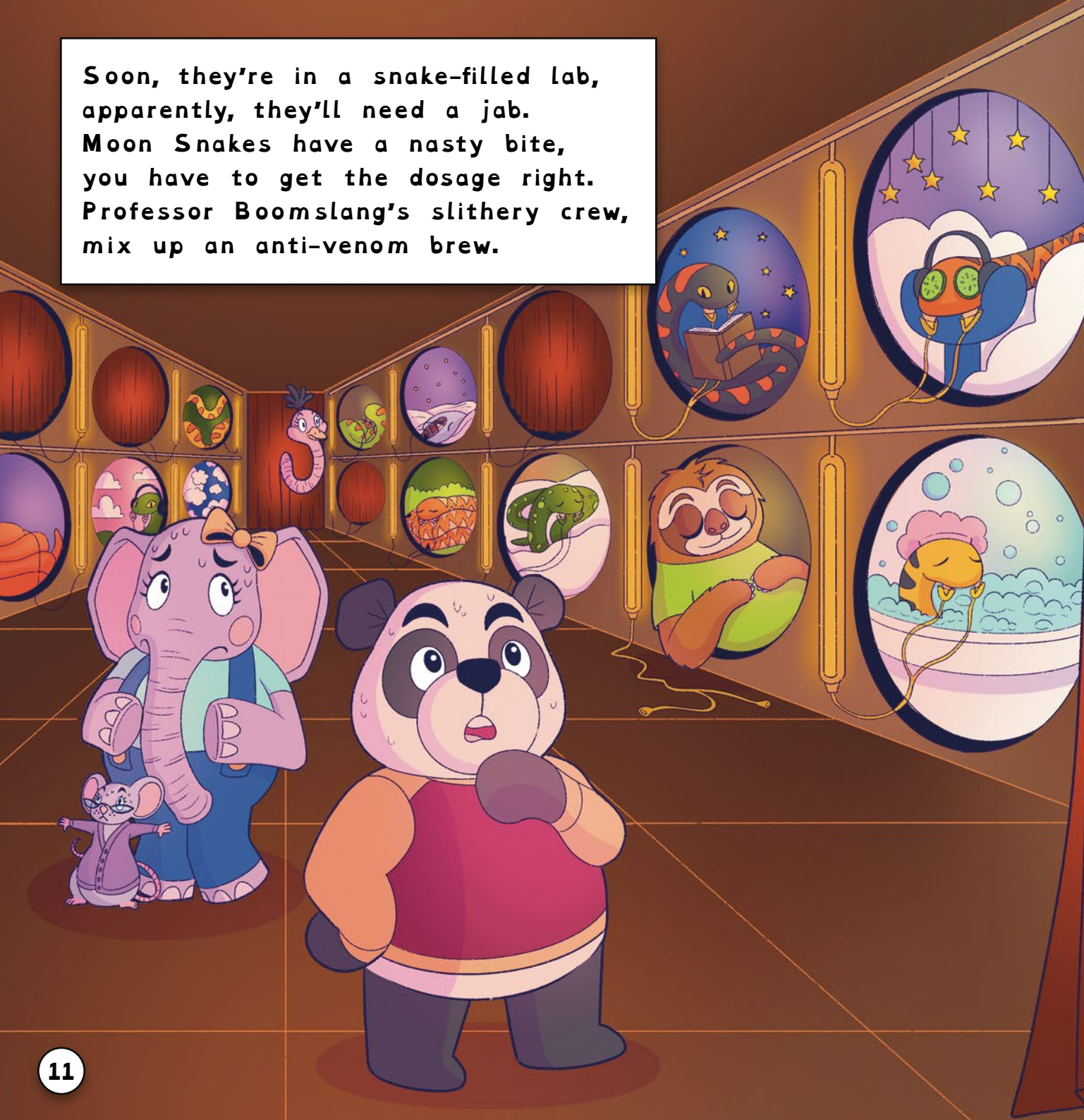
Into the Science Park they go,
where Doctor Saffron says hello.
Doctor Saffron heals the team,
with bandages and pills and cream.
She has this nifty new machine,
the fastest thing they'd ever seen.
Blister packs, some big, some small.
This machine can heal them all.



'We've all learned something new today.
Who knew that healing worked this way?
This happens here in Liverpool??
This innovation is **really** cool.
Although this stuff is truly ace,
it still won't get us into space!'



Soon, they're in a snake-filled lab, apparently, they'll need a jab. Moon Snakes have a nasty bite, you have to get the dosage right. Professor Boomsnang's slithery crew, mix up an anti-venom brew.



'We've all learned something new today. Who knew that venom worked this way? This happens here in Liverpool?? This innovation is **really** cool. Although this stuff is truly ace, it still won't get us into space!'



Next, they see a glowing sign,
'Robot Manufacturing Line'
Robots fix, adjust and strip,
the broken bits of Rocket Ship.
Attempts to help did the reverse,
the team made everything much worse!

'We've all learned something new today.
Who knew that robots worked this way?
This happens here in Liverpool??
This innovation is **really** cool.
Although this stuff is truly ace,
it still won't get us into space!'



The team does not have time to rest.
Now to put them to the test.
When they blast into hyperdrive,
their clothes must help them to survive.
So stretch and squash, freeze, burn and shoot,
to build the perfect Astro Suit.



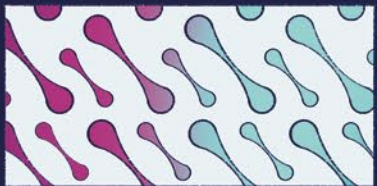
'We've all learned something new today.
Who knew materials worked this way?
This happens here in Liverpool??
This innovation is **really** cool.
Although this stuff is truly ace,
it still won't get us into space!'

MATERIALS INNOVATION FACTORY: ASTROSUIT TESTING IN PROGRESS

SUBJECT OF TRIAL:
ELASTICITY



PARTICLE SCAN



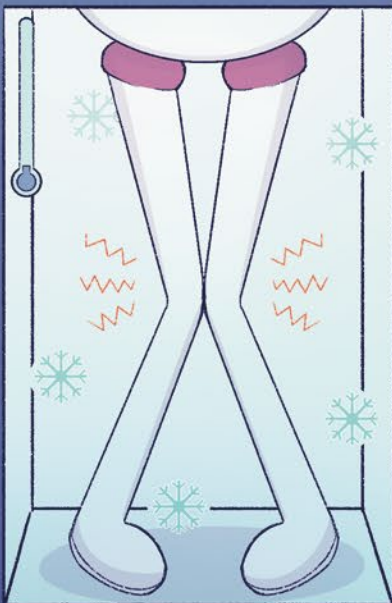
SUBJECT OF TRIAL:
DURABILITY



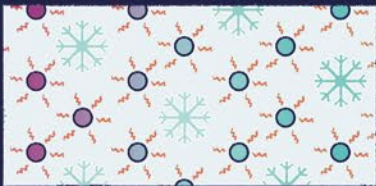
PARTICLE SCAN



SUBJECT OF TRIAL:
EXTREME COLD



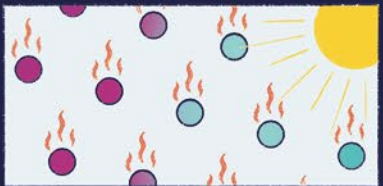
PARTICLE SCAN



SUBJECT OF TRIAL:
EXTREME HEAT



PARTICLE SCAN



SUBJECT OF TRIAL:
PROJECTILE DEFENCE



PARTICLE SCAN



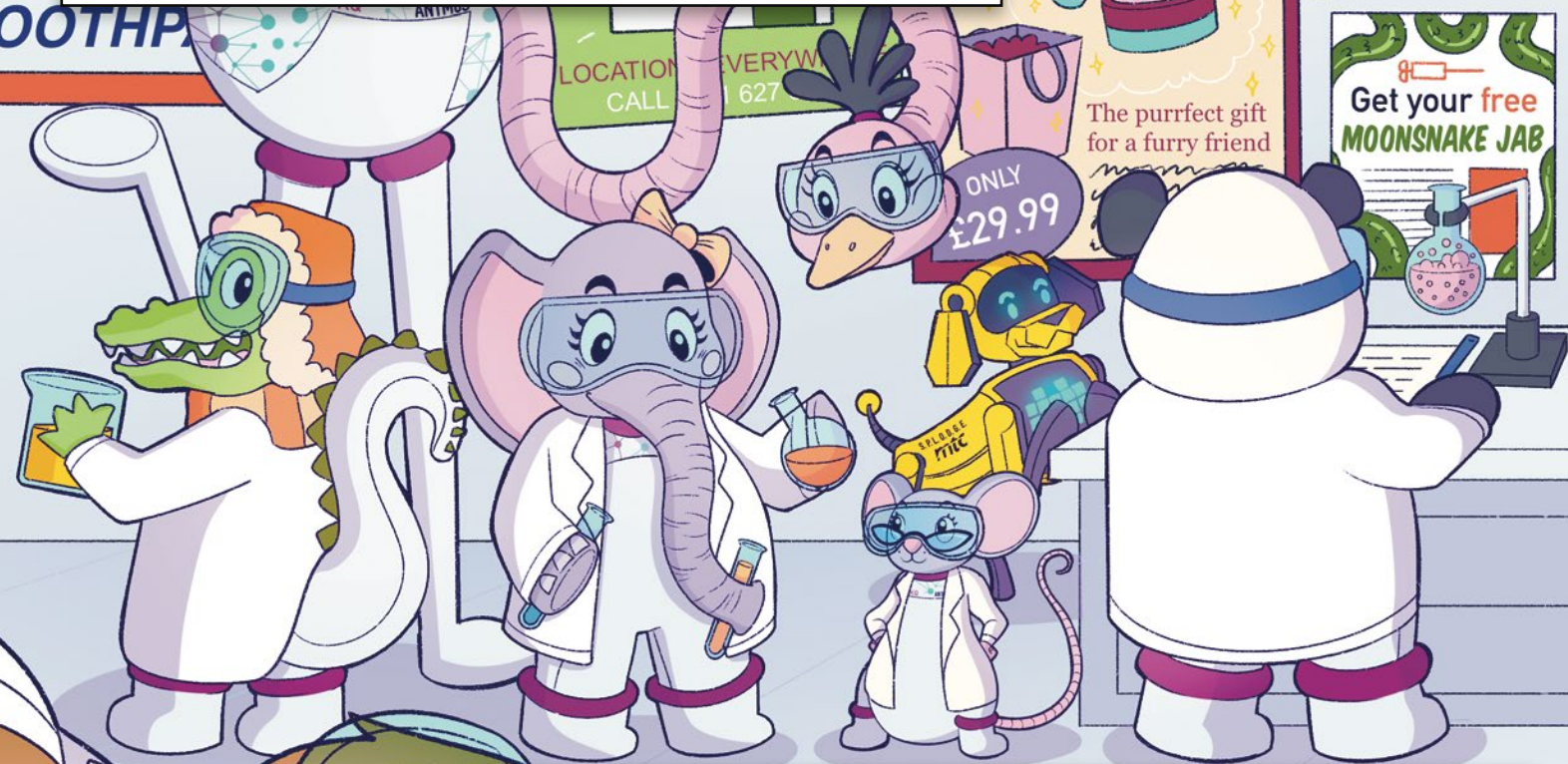
SUBJECT OF TRIAL:
COMFORT



PARTICLE SCAN



The team now want to look their best,
following their space suit test.
When they blast into the sky,
the TV news will wonder, why?
And when you're famous, people stare!
They're going to want to have good hair.



For every item that is made,
they must be measured, mixed, and weighed.
For products of all shapes and size,
the formula is customised.
So, everyone can have their own.
Wow, so clever! Who'd have known?



'We've all learned something new today.
Who knew that formulas worked this way?
This happens here in Liverpool??
This innovation is **really** cool.
Although this stuff is truly ace,
it still won't get us into space!'



3:05 PM

7 USERS CONNECTED

VR LUNAR SIMULATION HOSTED BY DIGITAL INNOVATION FACILITY



The team were feeling slightly boggled,
but in no time, they all were goggled.
Weightless, they began to rise,
the Moon and stars shone in their eyes.
This new machine could help them fly,
and navigate the cool night sky.



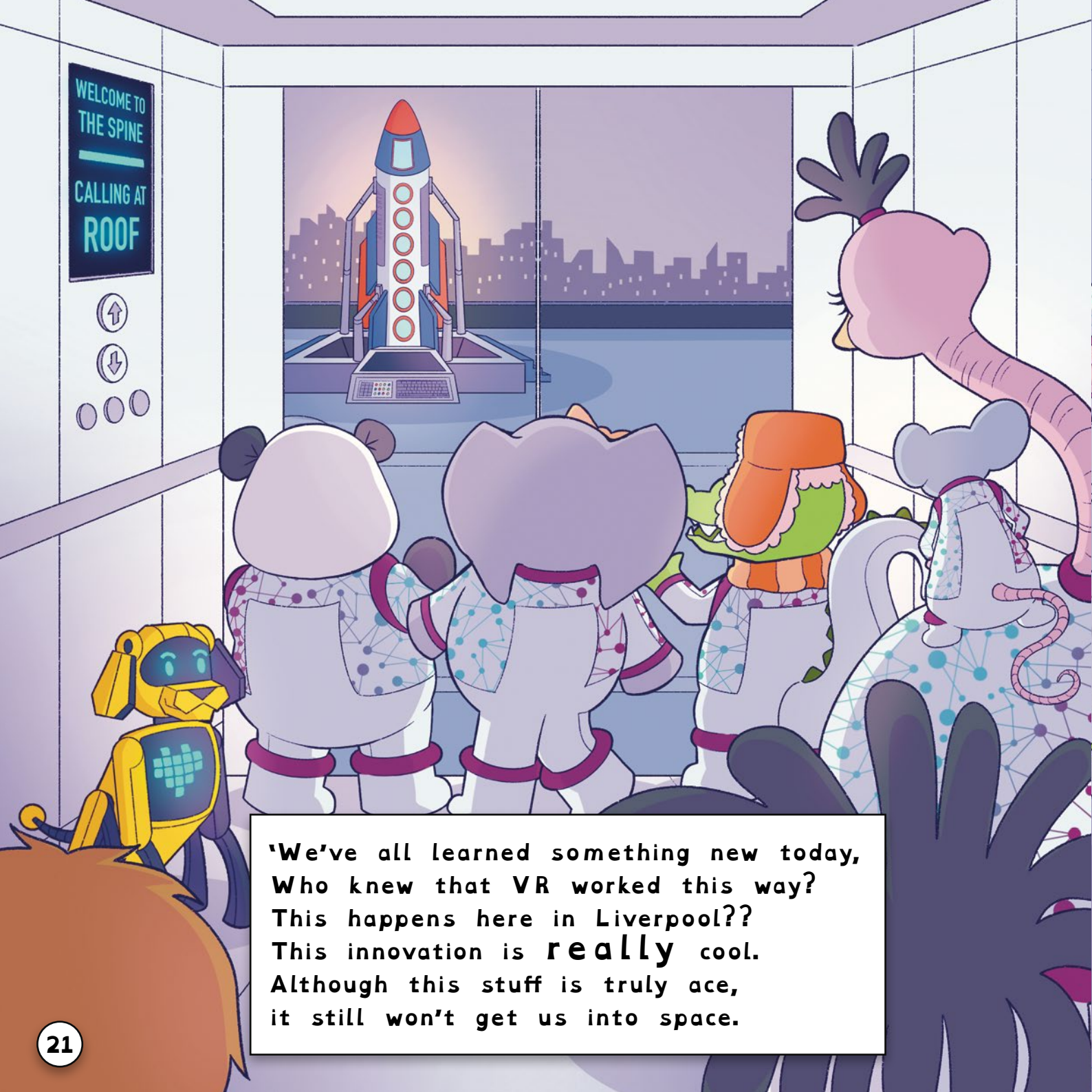
FLIGHT TEST
Congratulations! You
have completed your
flight training.

AI could help them plot their course,
or set the strength of their G Force.
This machine can teach and train,
they need not ever crash again!
They reached the Moon, they gave a squeal,
but deep down knew it wasn't real.

AI NAVIGATION
Your new flight route
to The Moon has
been generated!

SETTINGS
G-Force and
Environment settings
currently set to lunar.





'We've all learned something new today,
Who knew that VR worked this way?
This happens here in Liverpool??
This innovation is **really** cool.
Although this stuff is truly ace,
it still won't get us into space.

The Animates feel a bit downbeat.
Perhaps they should admit defeat?
There will not be a space vacation,
if they can't fix their navigation.



Don't give up!
Not yet!

Spodge said,

Dry those tears that you have shed.

What would you know!
You're not real?

An AI bot like
you can't feel.

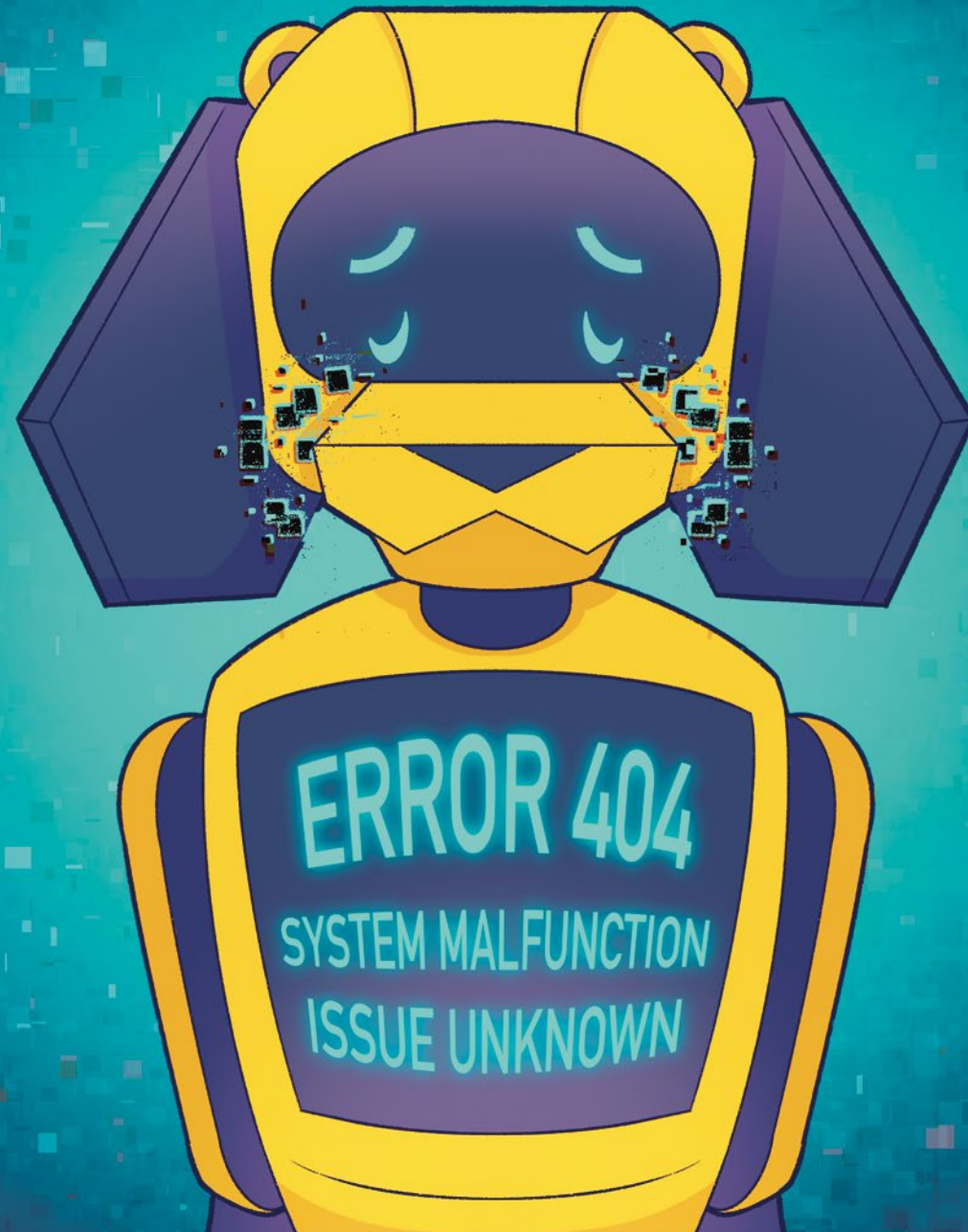
You have wires,
we have veins.

You have glitches.
We have pains.

You can't know of
hopes and fears.

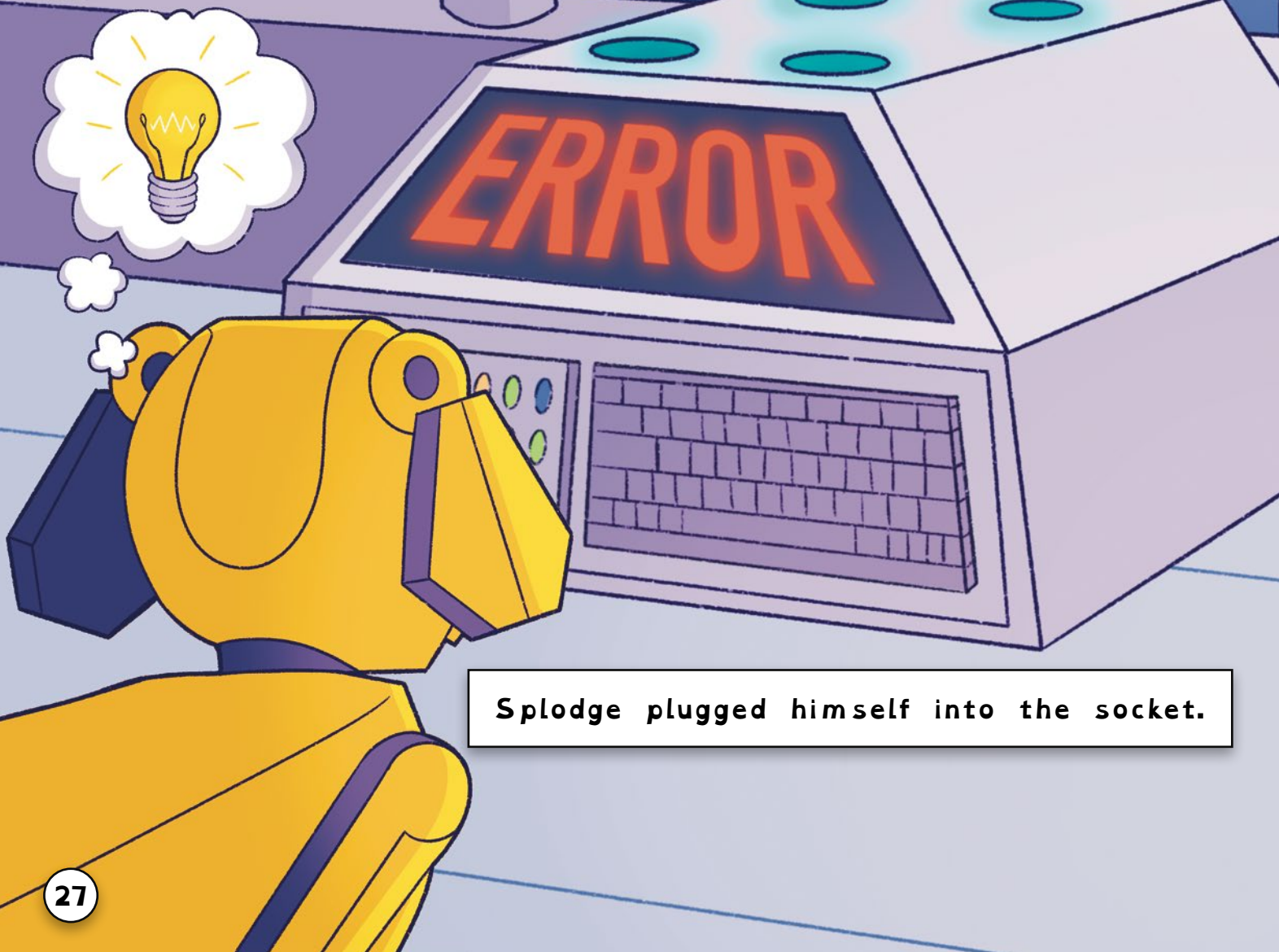
But guess what?
...

**Splodge burst into
tears...**

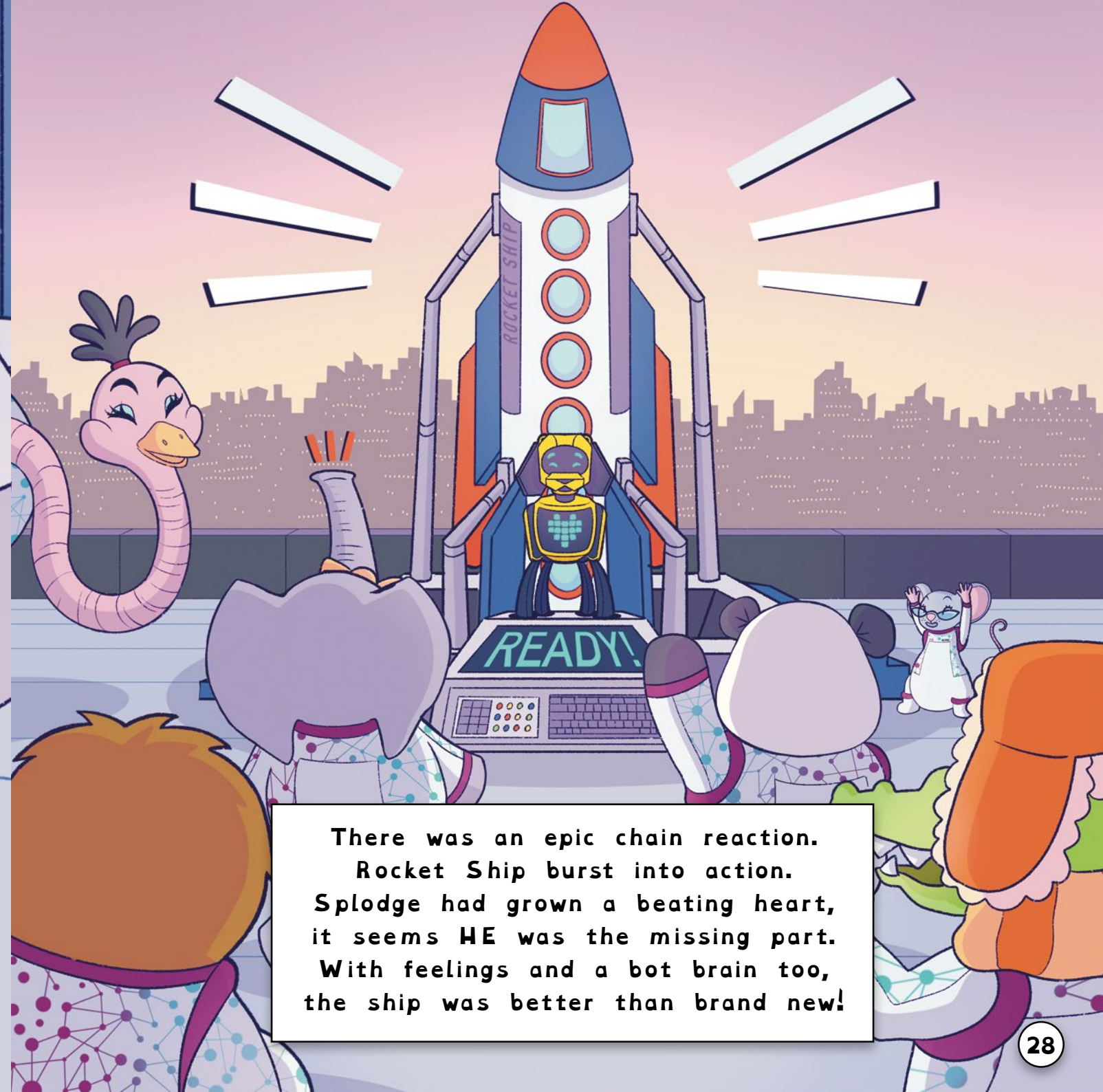


**Well, we've learned something new today.
Who knew that Splodge could feel this way?
We think he's earned a special place,
on board, if we can get to space...**

Artificial means not real.
Splodge isn't fake if he can feel!
He's helped us build, and grow, and mend.
In every way, he's been our friend.
Perhaps in time, we'll fix the rocket.



Splodge plugged himself into the socket.



There was an epic chain reaction.
Rocket Ship burst into action.
Splodge had grown a beating heart,
it seems HE was the missing part.
With feelings and a bot brain too,
the ship was better than brand new!

'We've all learned something new today.
Who knew that friendship worked this way!
Now they've got Splodge on the case,
he's acting as their interface.
They take some goggles... just in case,
and...

BOOM!!!!

ROCKET SHIP

they blast off into space!

THE ANIMATES

LEARNING IN LIVERPOOL



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KQLIVERPOOL.CO.UK

THE ANIMATES

Learning in Liverpool

Fresh from their lunar adventure, The Animates' rocket malfunctions and the team find themselves in Liverpool's Innovation District, with one mission...

Fix the rocket and get back into space.

Along the way, the team find much more than a fix for their broken spacecraft. They find a treasured friend and a new addition to the team.



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A world-leading innovation district

**Inclusive
Innovation
Network**