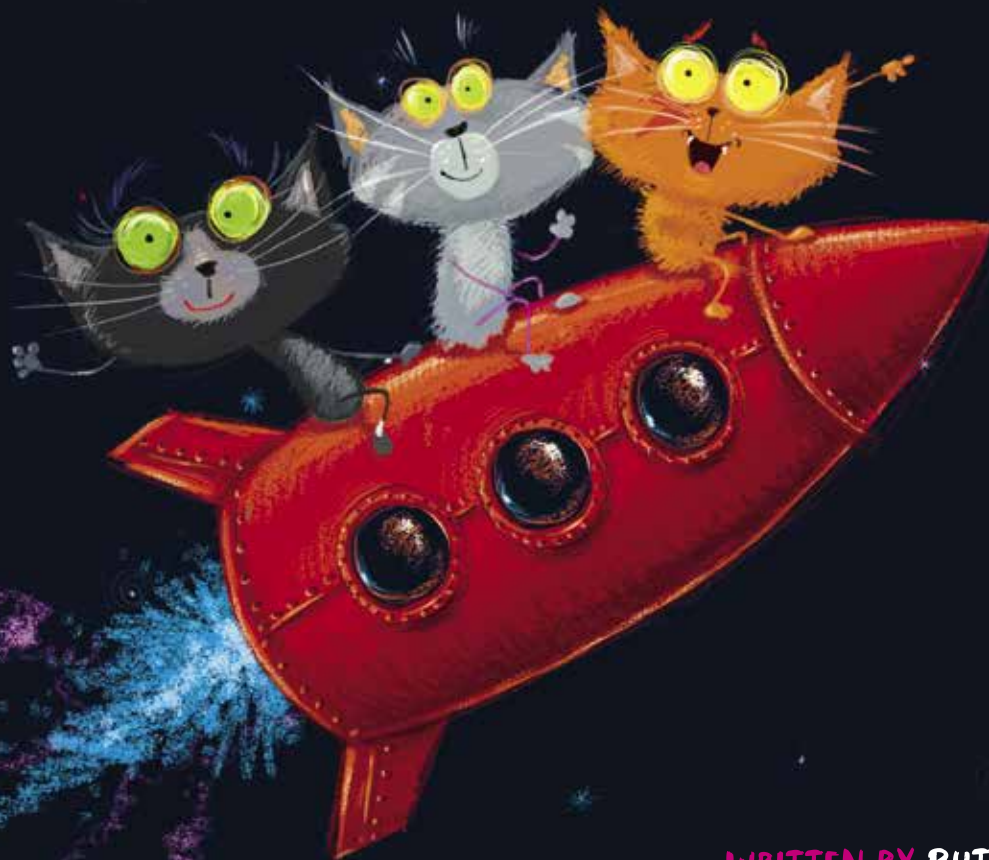
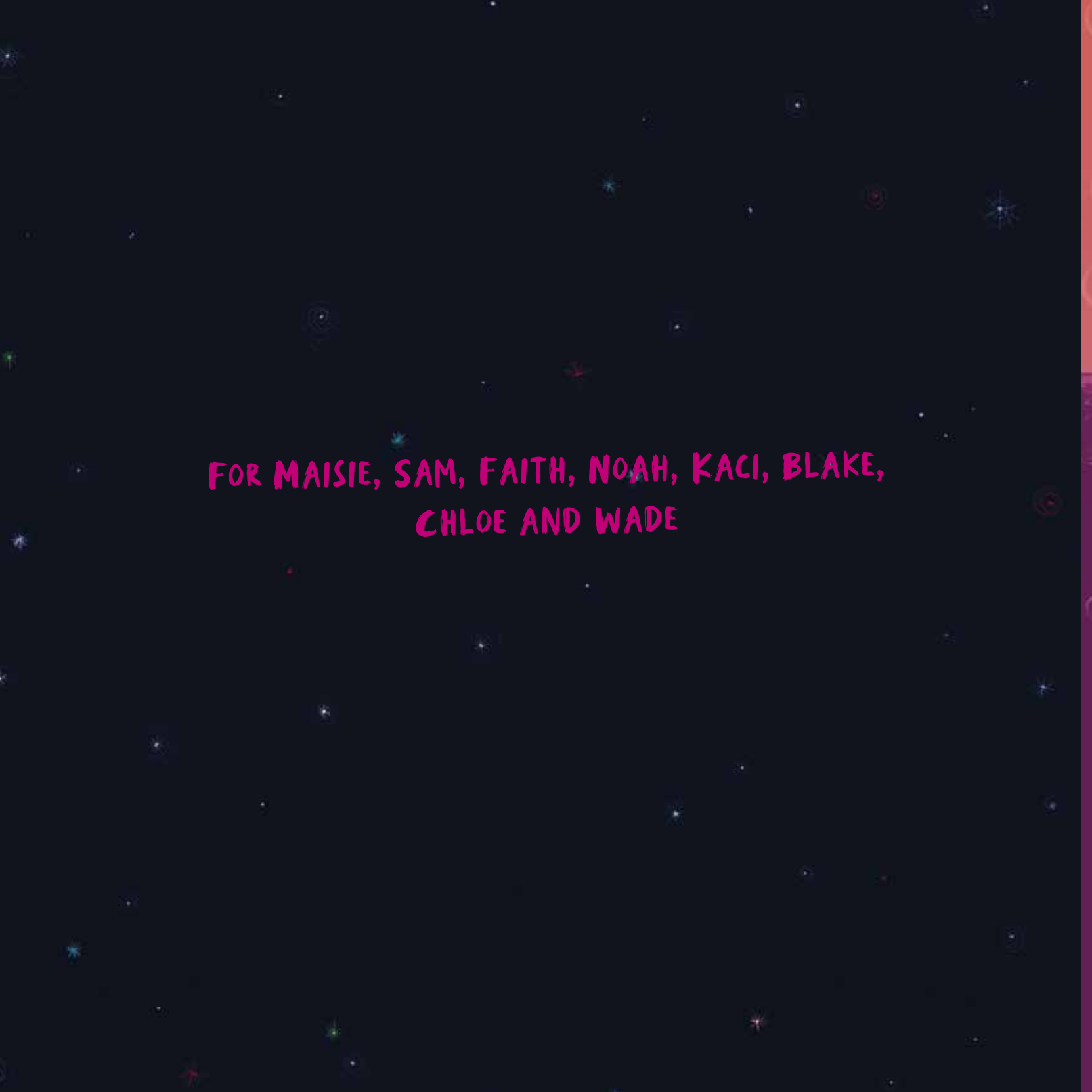


NO PLANET B?



WRITTEN BY RUTH HUNTER
ILLUSTRATED BY JOHN MCCLOSKEY



FOR MAISIE, SAM, FAITH, NOAH, KACI, BLAKE,
CHLOE AND WADE

MAC, VERA AND BOWIE ARE
EXCITED TO GO ON A TRIP TO
QUEEN'S UNIVERSITY BELFAST





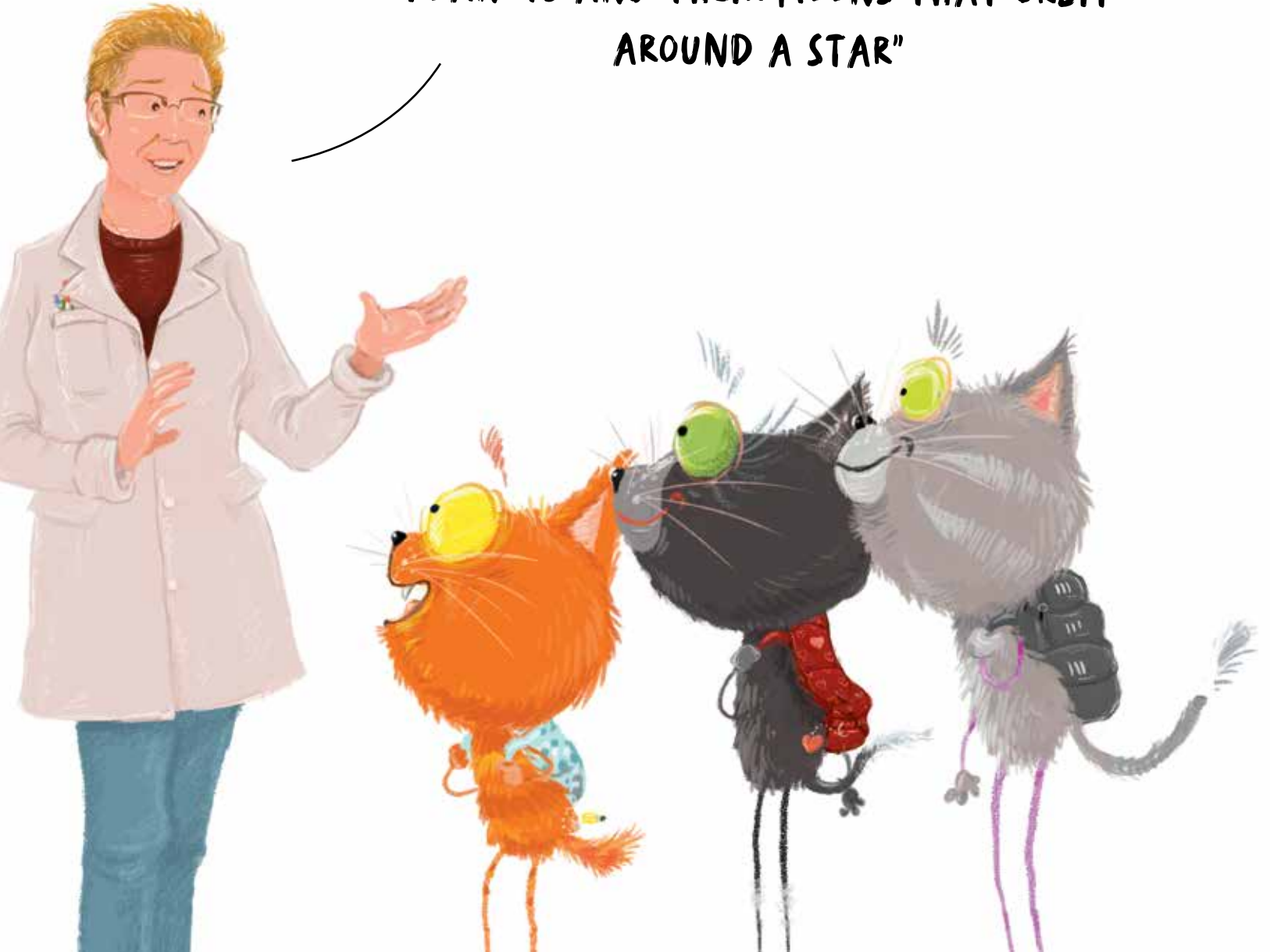
THEY JUMP ON A BUS

"WE'RE AT THE
UNIVERSITY!"

"YEAAAAHHHH!"



"TODAY WE ARE GOING TO LEARN ABOUT
SPACE AND THE SOLAR SYSTEM.
THE SOLAR SYSTEM IS THE COLLECTION OF
PLANETS AND THEIR MOONS THAT ORBIT
AROUND A STAR"



"OUR OWN SOLAR SYSTEM ORBITS AROUND OUR STAR - WE CALL THAT STAR THE SUN. AND THE PLANETS THAT ROTATE AROUND THE SUN ARE: MERCURY, VENUS, EARTH, MARS, JUPITER, SATURN, URANUS AND NEPTUNE. WE LIVE ON EARTH"



"WE'VE LEARNT SO MUCH ABOUT OUR SOLAR SYSTEM IN RECENT YEARS, AND WE'VE EVEN GONE TO THE MOON"



"DO YOU THINK WE COULD LIVE
ON ANOTHER PLANET?"





"LET'S GO FIND OUR PLANET B!"

**"WE'RE ON THE MOON!
WE'RE UPSIDE DOWN!"**



**"THERE IS NOT ENOUGH GRAVITY
HERE FOR US TO STAND UP"**



"WHAT ABOUT VENUS?
LET'S GO TRY THERE"



"COULD VENUS BE
OUR PLANET B?"



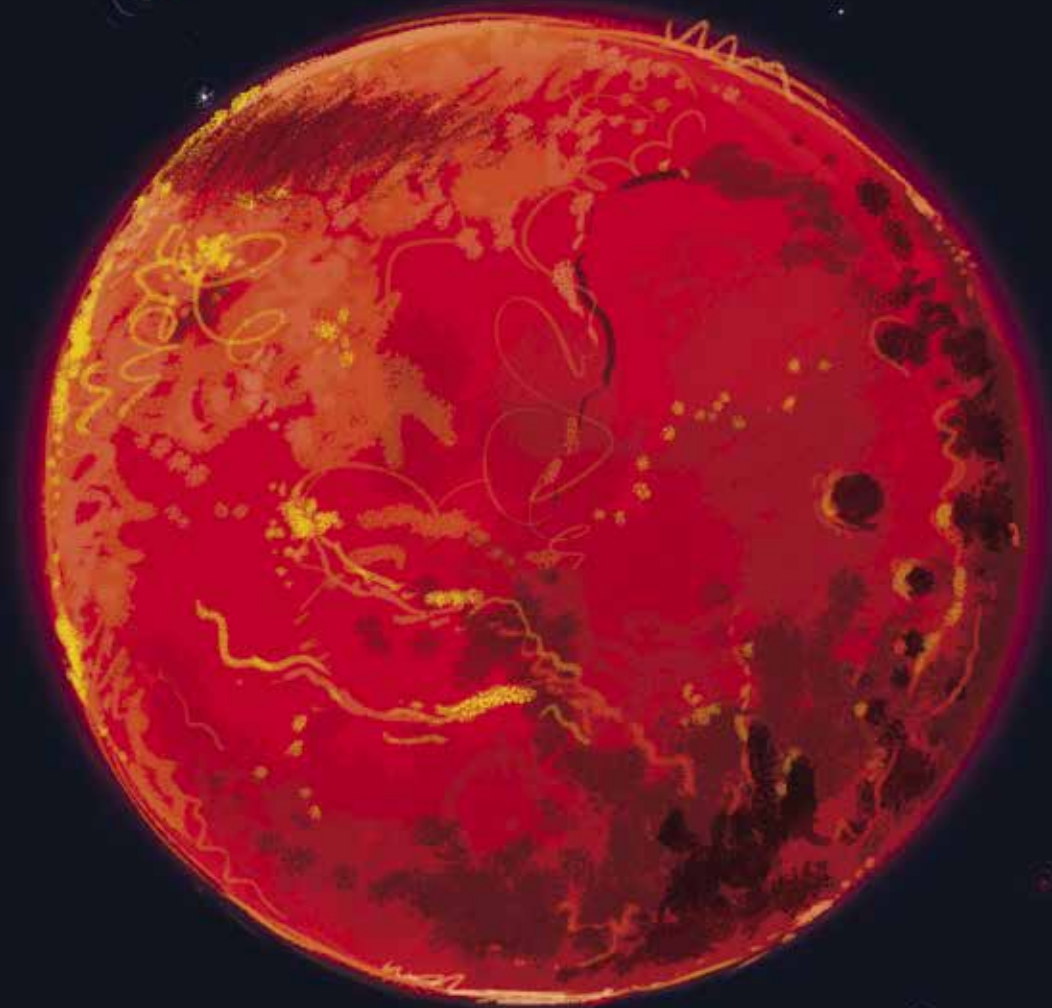
"IT'S TOO HOT"





"THERE MUST BE SOMEWHERE
ELSE WE COULD LIVE?"

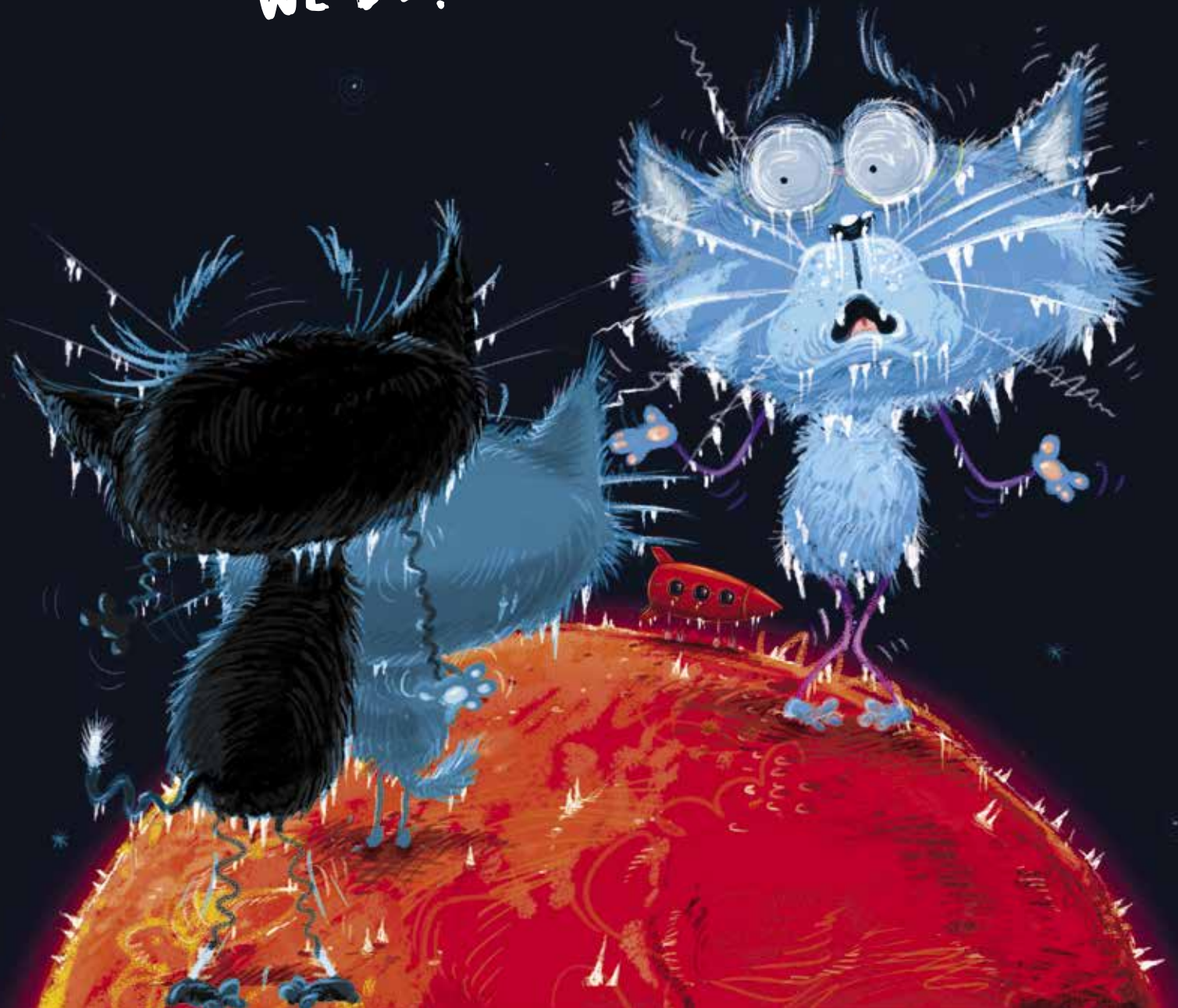
"NOW LET'S
TRY MARS"



"OH NO,
IT'S TOO COLD"



"WHAT SHOULD
WE DO?"





"LET'S GO HOME"

"HOW DID
IT GO?"



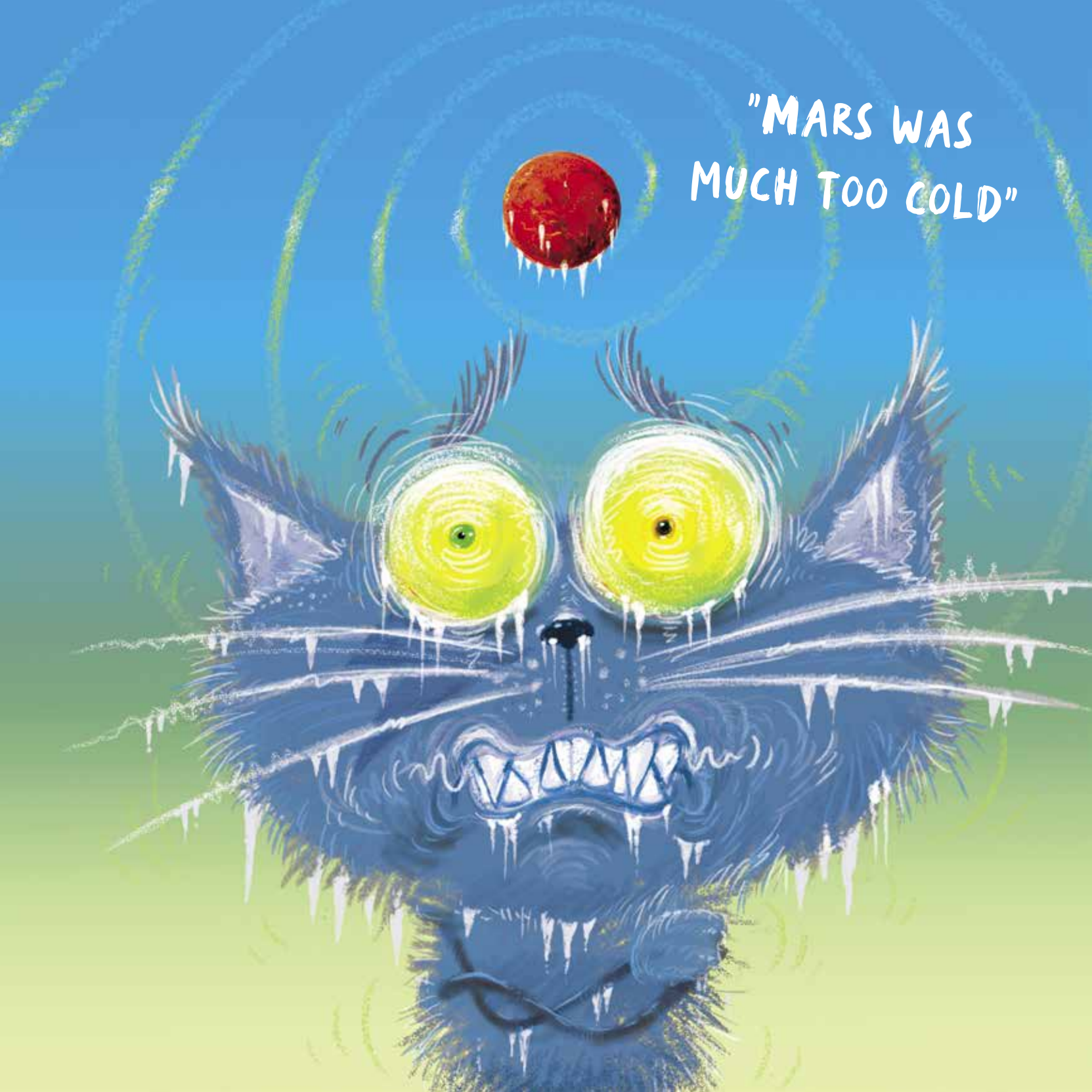


"WE COULD NOT STAND UP ON THE MOON"

"VENUS WAS
WAY TOO HOT"



"MARS WAS
MUCH TOO COLD"



"EARTH WHERE WE LIVE
IS JUST RIGHT"





"IT'S NOT TOO HOT IN SUMMER"



"IT'S NOT TOO
COLD IN WINTER"



"WE HAVE
WATER
TO DRINK"





"WE HAVE AIR
WE CAN BREATHE"



"EARTH HAS
EVERYTHING WE NEED"

"WE NEED TO LOOK
AFTER THE MOUNTAINS
WE CLIMB"



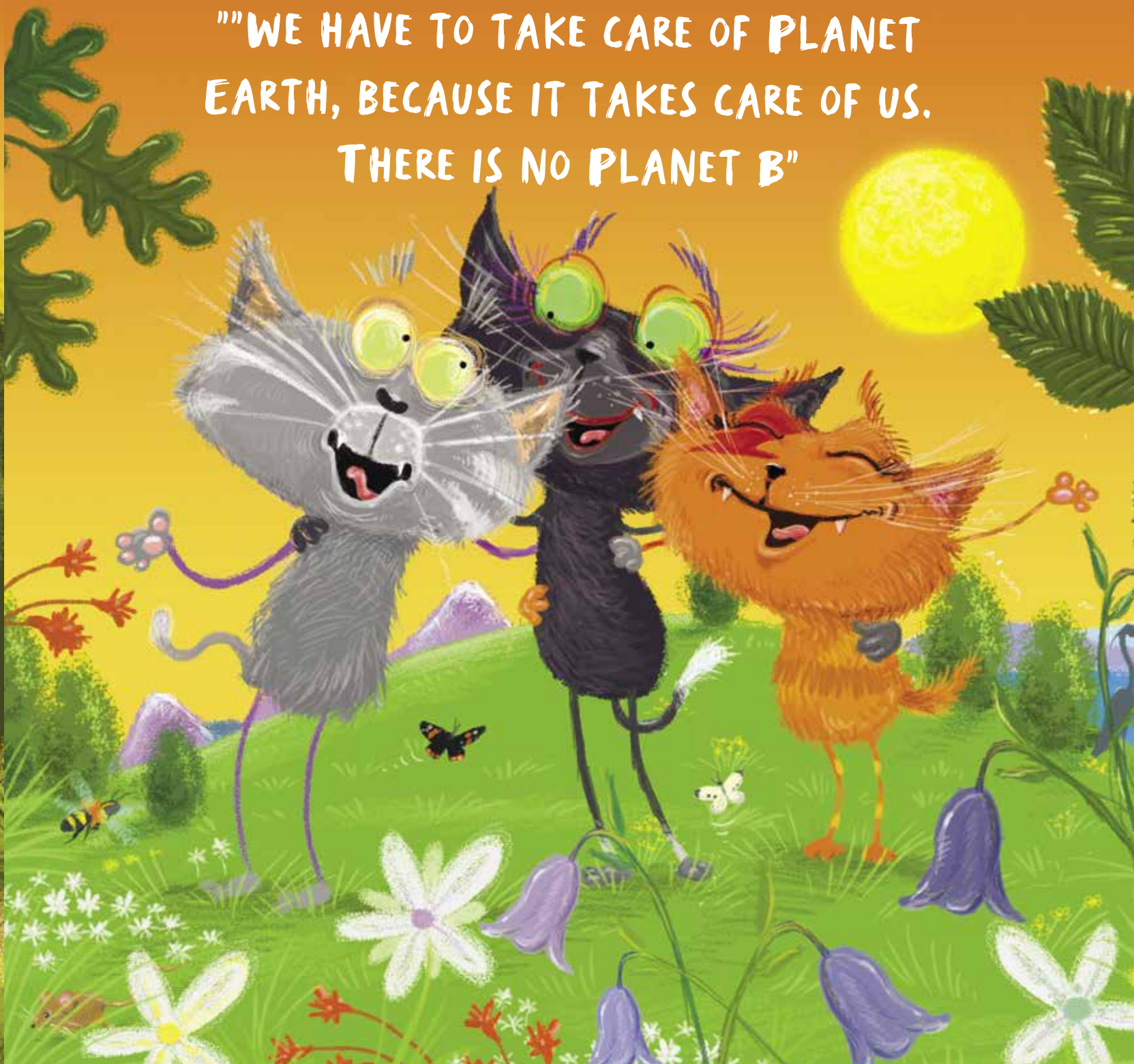
"WE NEED TO LOOK
AFTER THE SEAS
WE SWIM IN"



"WE NEED TO LOOK AFTER
THE FORESTS WE WALK IN"



"WE HAVE TO TAKE CARE OF PLANET
EARTH, BECAUSE IT TAKES CARE OF US.
THERE IS NO PLANET B"



INFORMATION FOR ADULTS

The **SPACE** (Supportive Environments for Social and Physical Activity, Healthy Ageing and Cognitive Health) project is a 3-year research programme funded by the Economic and Social Research Council <https://www.qub.ac.uk/sites/space/>.

The project investigates the impact of different environmental factors, including climate-related factors, on cognitive health and brain health.

As part of the SPACE research project, Queen's University Belfast are proud to work in partnership with the Armagh Observatory and Planetarium and Nerve Centre to produce the No Planet B? book. The book is about the importance of protecting where we live for human health and animal health in collaboration with the Centre for Public Health at Queen's University Belfast and the Armagh Observatory and Planetarium. The SPACE project is holding a 1-day conference at the Armagh Observatory and Planetarium in February 2024. The book is an opportunity to leave a legacy with the Planetarium to continue to raise awareness about the importance of protecting where we live (i.e. Earth) for human health and animal health. The book will explore the ideas of alternative habitable planets to Earth such as Mars and the Moon. With a core message that there is 'no Planet B' and we need to look after Earth for human health and animal health.

The SPACE project is led by Professor Ruth Hunter based at the Centre for Public Health, Queen's University Belfast. The book is part of a legacy project in partnership with the Armagh Observatory and Planetarium (AOP) and the Nerve Centre. The book is aimed at young children aged ~ 4-5 years old and has the following objectives:

- 1) to promote space and related topics;
- 2) to promote females in astronomy, academia, research and other industries;
- 3) to promote positive climate action and its synergy with human health and animal health;
- 4) to leave a legacy of the SPACE project.

You can find out more about the SPACE research on our website: www.qub.ac.uk/sites/space/ and by watching this video: youtu.be/1SEEl_oD7nk

We have also created some fact sheets and short videos about how where we live can improve our health and wellbeing here: www.qub.ac.uk/sites/space/VideosandFactsheets/

The **Queen's University of Belfast**, commonly known as Queen's University Belfast, is a public research university in Belfast, Northern Ireland, founded in 1845. The Centre for Public Health (www.qub.ac.uk/research-centres/CentreforPublicHealth/) is committed to identifying the environmental, epidemiological and genetic risk factors that are important for the health of the individual and of the population and to develop interventions to reduce the burden of chronic diseases in the future. The Centre advances the health of the public at a regional, national and international level, by increasing knowledge and influencing clinical and public health practice and policy.

The **Armagh Observatory and Planetarium** (www.armagh.space/) is a planetarium in Armagh, Northern Ireland. It is located close to the city centre and neighbouring Armagh Observatory in approximately fourteen acres of landscaped grounds known as the Armagh Astropark. It is Northern Ireland's leading astronomical research and education facility. It offers visitors a unique experience which makes it "the place for space".

Nerve Centre was established in 1990 as a focal point for youth culture and has become an award winning creative arts organisation and one of Northern Ireland's most successful social economy projects within the creative media sector providing access to the arts and creative industries for variety of groups and individuals.

Nerve Centre has proved itself as a focus for excellence in the field of music, film, education and creative media and built itself a formidable reputation as one of the best live venues in Ireland. It has also won awards for its film productions, animations, education programmes and in running the Foyle Film Festival, it oversees the second oldest film festival in Ireland now in its 37th year.

Most recently it produced Oliver Jeffer's Our Place in Space a 10km scale model of the solar system which toured the UK.

Ruth Hunter is a Professor of Public Health and Planetary Health based at the Centre for Public Health, Queen's University Belfast (pure.qub.ac.uk/en/persons/ruth-hunter).



Her research explores how the environment, the climate and where we live can impact our health and wellbeing. She lives in Lisburn with her family and her cat, Mac.



John McCloskey is the award winning illustrator and animation director who has animated over 10 animated films.



His short film, The Crumblegiant, was BAFTA nominated and his most recent animation, The Poor Mouth by Flann O'Brien was IFTA nominated and won BEST animation at the Galway and Foyle Film Festivals.



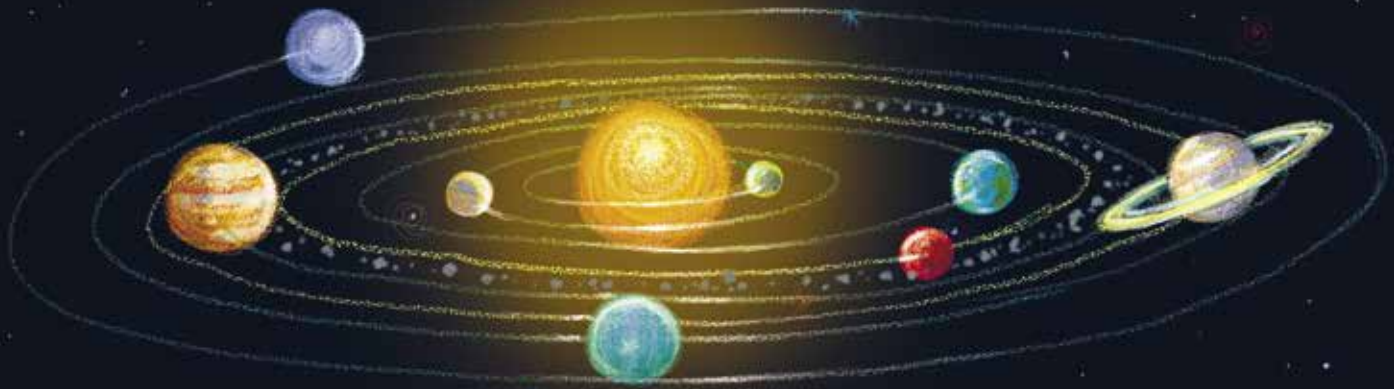
John has also won the animation award at the Celtic Film and TV Festival 3 times for his animated films.



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