

OKIDO

The Arts & Science Magazine for Kids

Stories
Activities
Games
Doodles
Recipe
& a poem

Issue #57

Ice

Okido is a monthly
magazine for children
aged 3 to 7

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Hello Okido readers!
Welcome to your magazine.
This issue is about ice!
Let's find out more, explore,
play and have fun making,
cooking, colouring and
reading. Enjoy!

Start by writing your name:

Okido helps children learn through play. It is full of stories, activities and games that stimulate creativity and inspire scientific interest.



Messy Monster goes to the north pole (p.4). **Zim, Zam** and **Zoom** explain where ice comes from (p.8). **Messy** saves Snowden in the Messy Goes to Okido **story** (p. 14). **Find** Foxy in the mountains (p.16). **Read** the Ice Cream Planet **poem** (p.18). **Experiment** with ice (p.20 and 29). **Read** Blue and Cat's winter story (p.30). **Play** 'Into the snowstorm' with little Noi (p.32). **Squirrel Boy** has fun on the ice (p. 34). **Cook** with frozen peas (p.38). Find the **penguins** (p.40). Have fun with Icy **Activities** (p.42) **Play** the Icy Escapades board game (p.44). Colour in and **doodle-do!** (p.21-28)



Zoe

Felix

MESSY MONSTER

Story and illustration by Rachel Ortas






Hello! What are you doing here?



Arf - arf - arf!
Help! Help!
There's a problem
on the ice floe!



Ooooooh!
Snowden!



Help me! The
iceberg is getting
smaller and
smaller...



Don't worry Snowden, I've got you!

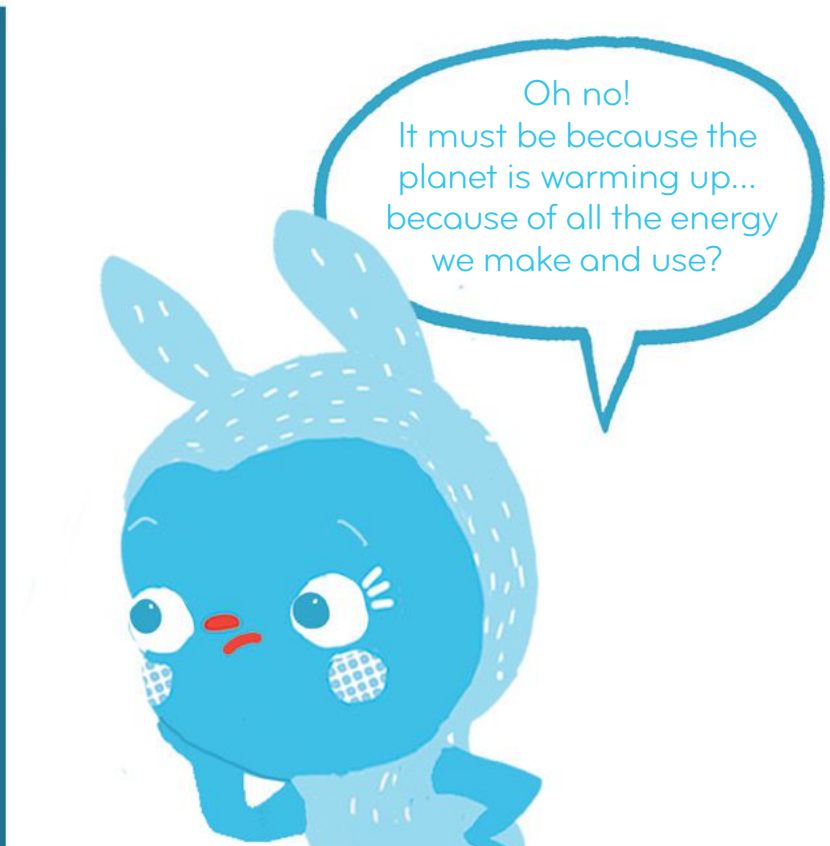
Thank you!



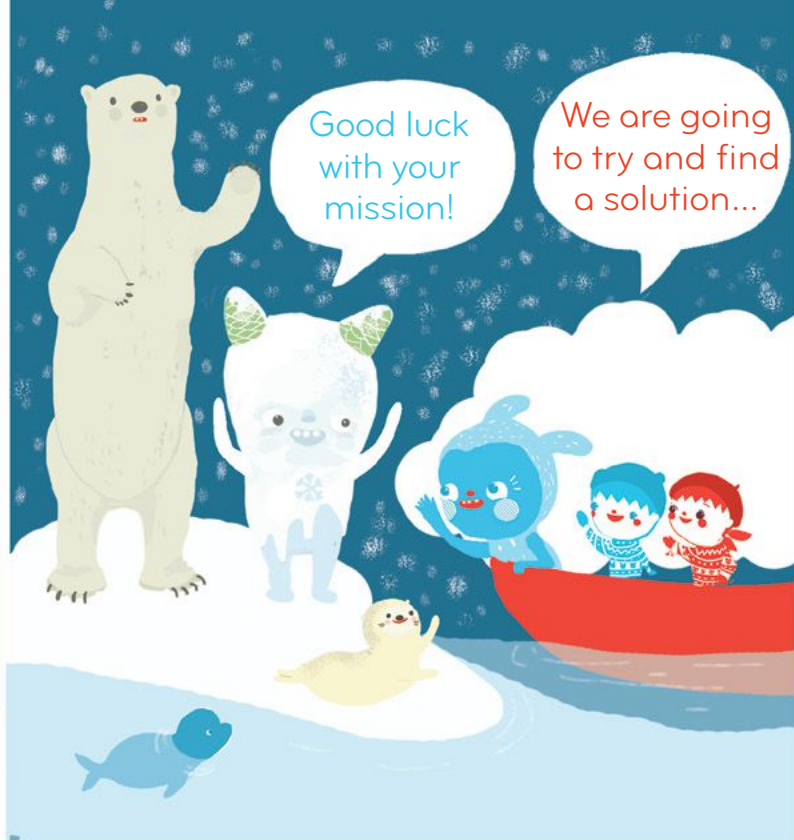
Hello Messy, Felix and Zoe!
We really need your help.
The ice floe is shrinking...



The sea is warming up, the ice cap is melting and we are losing our homes!



Oh no!
It must be because the planet is warming up...
because of all the energy we make and use?



Good luck with your mission!

We are going to try and find a solution...

It would help if we could...



... use more solar and wind energy!



Plant more trees!



Recycle and reuse!



Cycle!



And use our own bags!

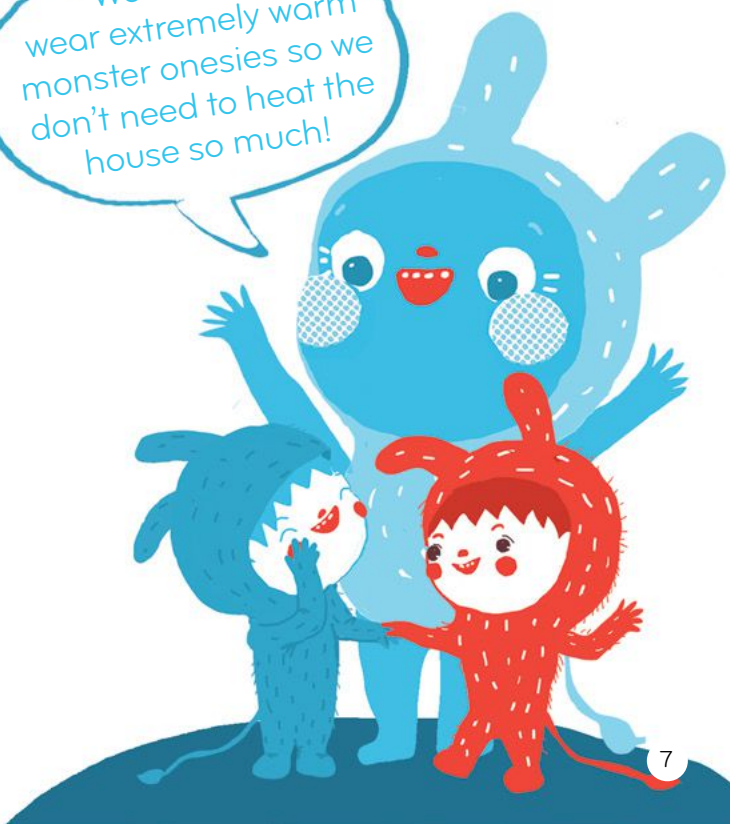


Let's try!



We have to look after our planet!

We can also wear extremely warm monster onesies so we don't need to heat the house so much!





Questions with : z ■ m, z ▲ m & z ● m

Where does ice come from?

Messy is in Zim, Zam & Zoom's kitchen

Story by Dr Sophie and illustration by Alex Barrow

Balabalaboomboom!
Let's have some ice lollies!



Hmmm...where's this massive puddle coming from?

Is the puddle from a...



Is it dog pee?

...leaking tap?




Or a spilt glass of water?




Let's ask Zim, Zam and Zoom!






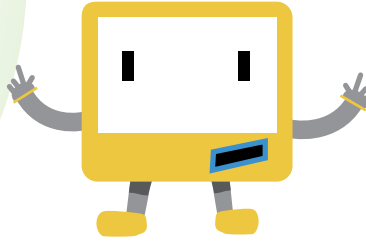
Let's follow the trail of water!



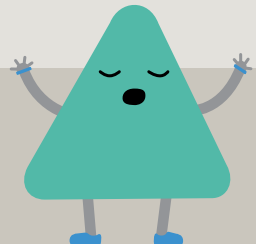
Look! It seems to be coming from the freezer...




Oh no! Where's the ice gone? And why all the water? What's happened to the ice lollies?



Oh dear... the ice has melted, Messy! That's why there is water everywhere!

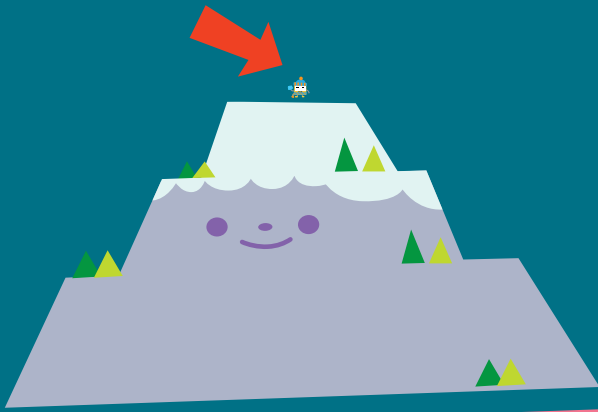


It looks like the freezer is broken. If the freezer doesn't stay cold, then the ice melts!



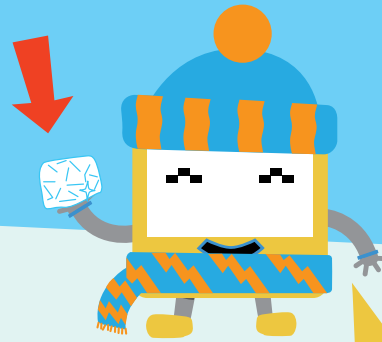
Oh! Where does ice come from?

Mount Rocky



Well Messy, ice only exists in very cold places.

Ice

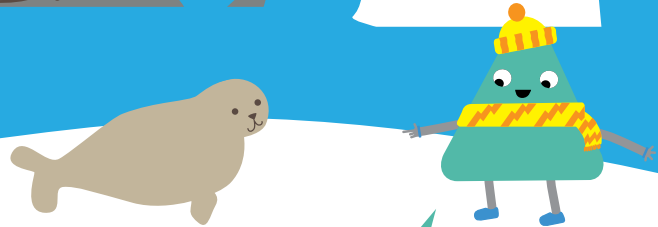


Like on the top of mountains such as Mount Rocky in Okido. Look, you can see the snow high up on Rocky's peaks!

North Pole



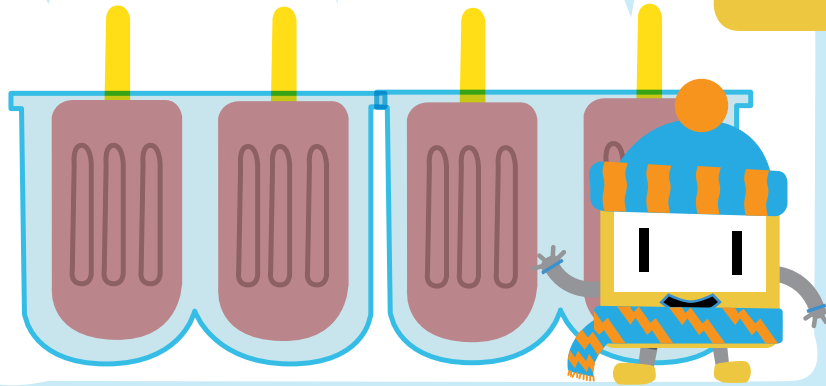
South Pole



Also, the closer you get to the North Pole or the South Pole, the more cold it gets. The temperature is so low at the Poles that the sea has frozen over, and there are lots of ice and icebergs.

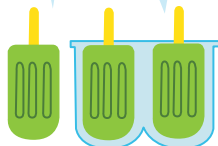
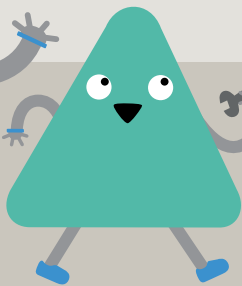
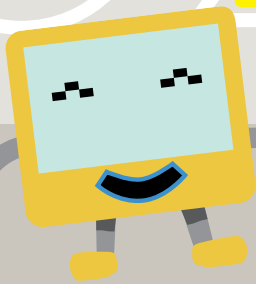
Inside a working freezer, the temperature is cold enough to make ice. Ice is useful because food keeps longer when it's frozen!

AND it's the perfect temperature to make ice lollies!



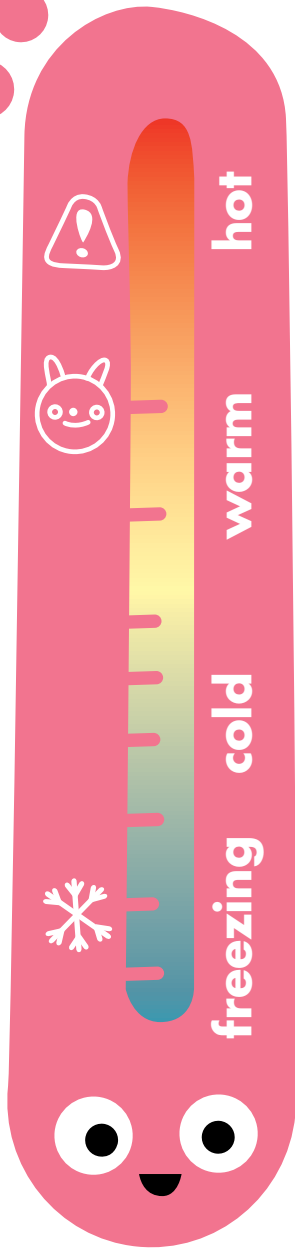
I've fixed the freezer!
It should be cold enough
inside to make lollies - I
think they're ready!

Yummy! Sock
flavoured lollies
- my favourite!



Is it hot? Is it freezing?

How do you make ice?



This high temperature is hot like a fire



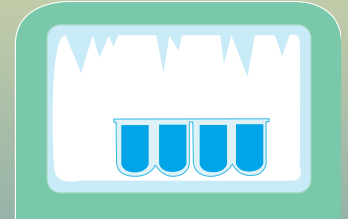
This low temperature is freezing - perfect for making an ice lolly!



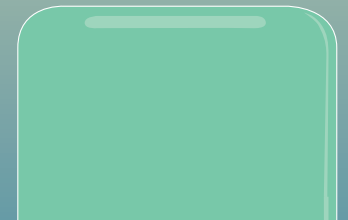
1 Fill up the ice tray with cold water. The water is liquid.



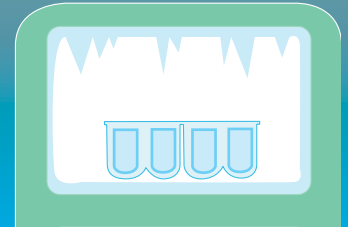
2 Place the tray in the freezer.



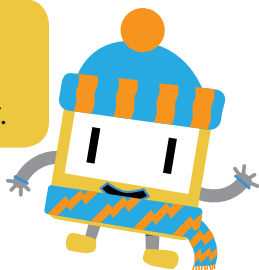
3 Leave in the freezer for a few hours.



4 The water has turned into solid ice!



Zoom has turned into a thermometer.

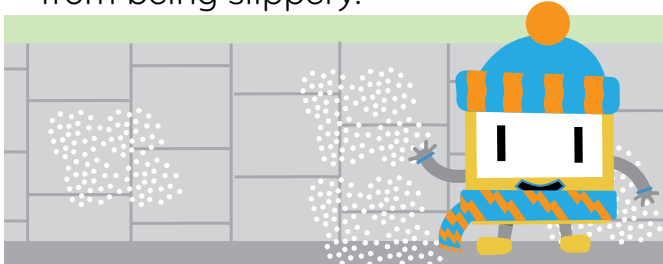


Can you point to where these objects are on the Zoom thermometer? Hot? Warm? Cold? Freezing?

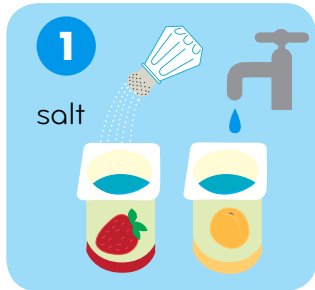


Why do we put salt on the roads?

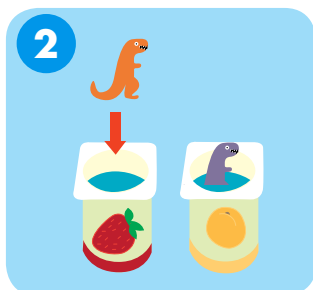
When it's icy outside, we put salt on the roads and footpaths to stop them from being slippery.



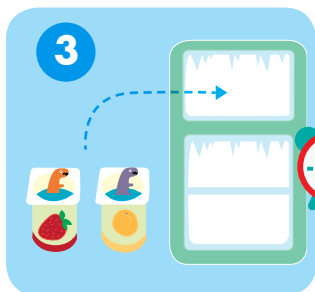
Here is an experiment you can try...



1
salt
Fill up 2 empty yogurt pots with water and add a teaspoon of salt to one of them.



2
Drop a small, plastic toy in each of the yogurt pots.



3
Place in freezer for 20 min

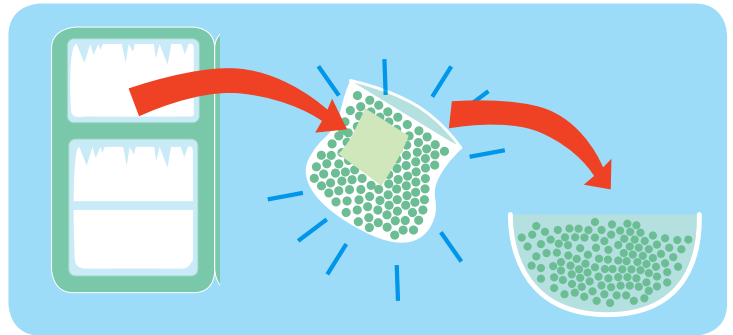


4
Take them out! Which toy is stuck in the ice? The one in salty or non salty water?

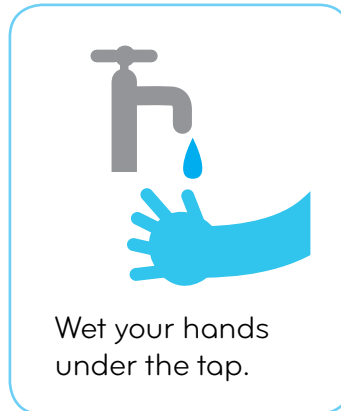
Salty water (like sea water) freezes at a lower temperature than water!

Why does ice stick to your hands?

Try this experiment...



Pour some frozen peas in a bowl.



Wet your hands under the tap.

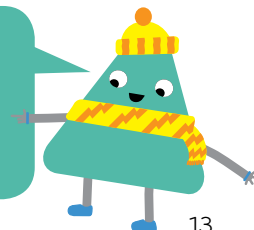


Then put your hand in the bowl of peas!



Do the peas stick to your hand?

The peas are frozen so they freeze the water on your skin, and this makes the peas stick to you!



ICE ICE MESSY!

Finished!

What do you think
of our snowman,
Snowden?

It's great!

Snowy days
are the best!

Yes, I'm feeling very
warm all of a
sudden...Oooh nooo...
I'm...melting!

Hmmm...
the sun has
come out!

A snow cloud dropped me down
here... and it has been really fun.
But now it's getting too hot!
What am I going to do?



Don't worry Snowden, I know a place where you could stay cool!

Oh really?
Thank you my friends!



After a little walk...

This way! See that big mountain? It's always frozen at the top!



There are lots of other snow creatures who live there too...

Hello! I'm Snowden and I'm so happy to meet you! May I stay?

Hello!

Hello Snowden and welcome! Yes, please join us!

Your place is really cool!

You must all try these delicious ice lollies we made earlier!





Find Foxy

Illustration by: Mathilde Nivet

Foxy is in the mountains today.
Can you find him?





Can you spot all these friends?




Way up high beyond the clouds,
Much further than the sun
Is a place I'd like to visit
for I'm sure it would be fun...

Far beyond our galaxy,
Much further than the moon
Is a planet made of ICE CREAM
that I plan to visit soon!

A planet made of ice cream
With a sea of chocolate sauce...
An ocean made out of butterscotch
where we would sail, of course!

Poem by Gabby Dawney
Art by Alex Barrow





Each mountain so delicious
With a cherry on the top...
We'd ski down every flavour
and we'd never ever stop.

Up above the world so high -
An ice-cream planet in the sky
Where every mountain is a scoop
Of scrummy, yummy ice cream gloop!

A planet made of ice cream
Just imagine, sorbets too...
But every time I say, 'Let's go!' you answer,
'It's not TRUE!'

Far beyond our galaxy,
Much further than the moon
There's a planet made of ice cream that is waiting for...
A SPOON!

Make your own icebergs

Try this fun iceberg experiment in the bath!

You will need:



Different sized shallow trays



Toy boat



Stick



Jug of warm water

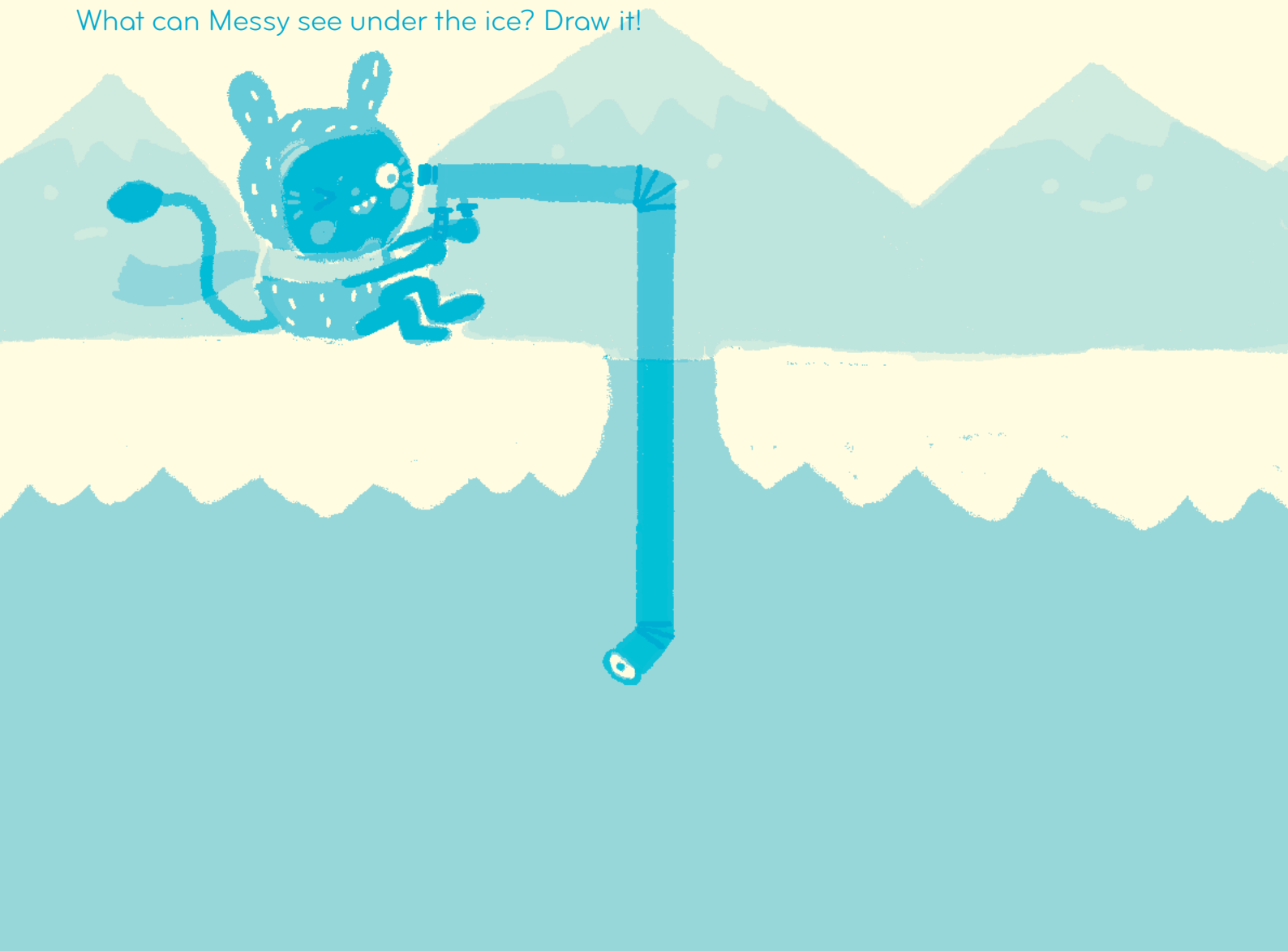
- 1** Fill a shallow tray with water. You could also fill different sized tupperware boxes. Put them in the freezer and leave overnight.
- 2** Fill a bath with cold water and then carefully place your sheets of ice into it. Gently pour the jug of warm water over the ice sheets to create icebergs. Try pouring the water directly onto the middle of a big sheet to create a hole! Use the stick to break bigger pieces. Then try to navigate your toy boat without hitting the icebergs!



OKIDOODLE!

Let's Okidoodle!

What can Messy see under the ice? Draw it!



The Okido Ice Extravaganza!

Colour in Messy and his friends skating on the ice!

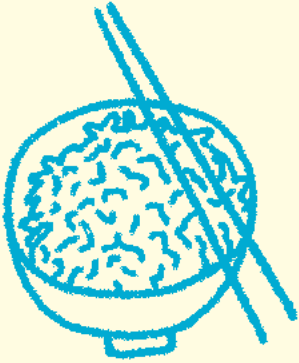


Icy word play

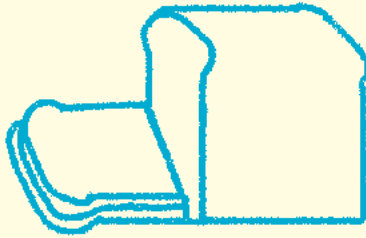
Fill in the missing letters using the picture clues!



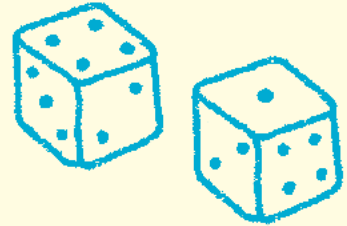
i c e



i c e



i c e



i c e



i c e



i c e



i c e

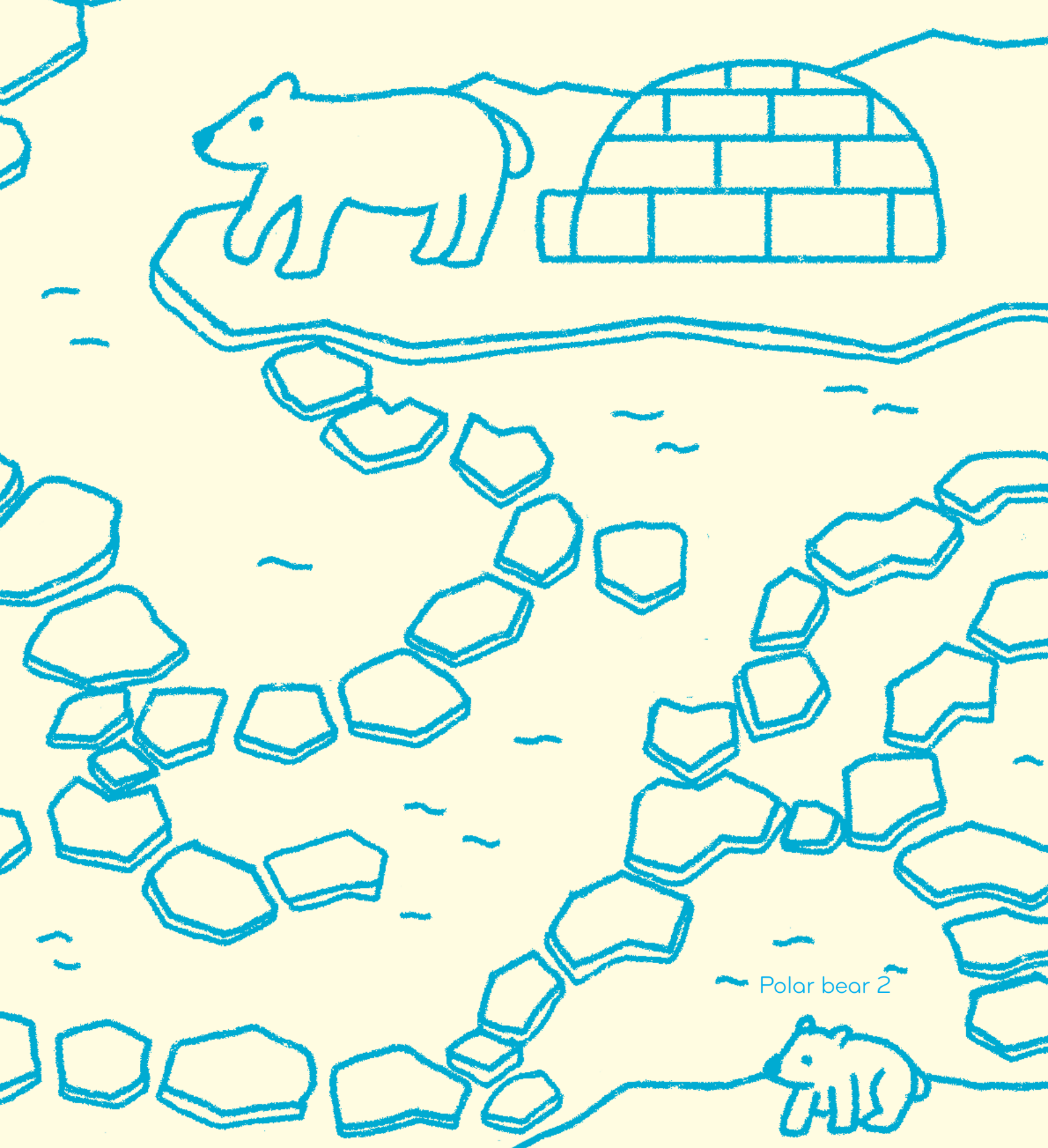
Polar bear progress

Help the 2 stranded polar bears find their way back to their igloo across the melting ice. Polar bear 1 needs to pick up polar bear 2 on the way.



Polar bear 1



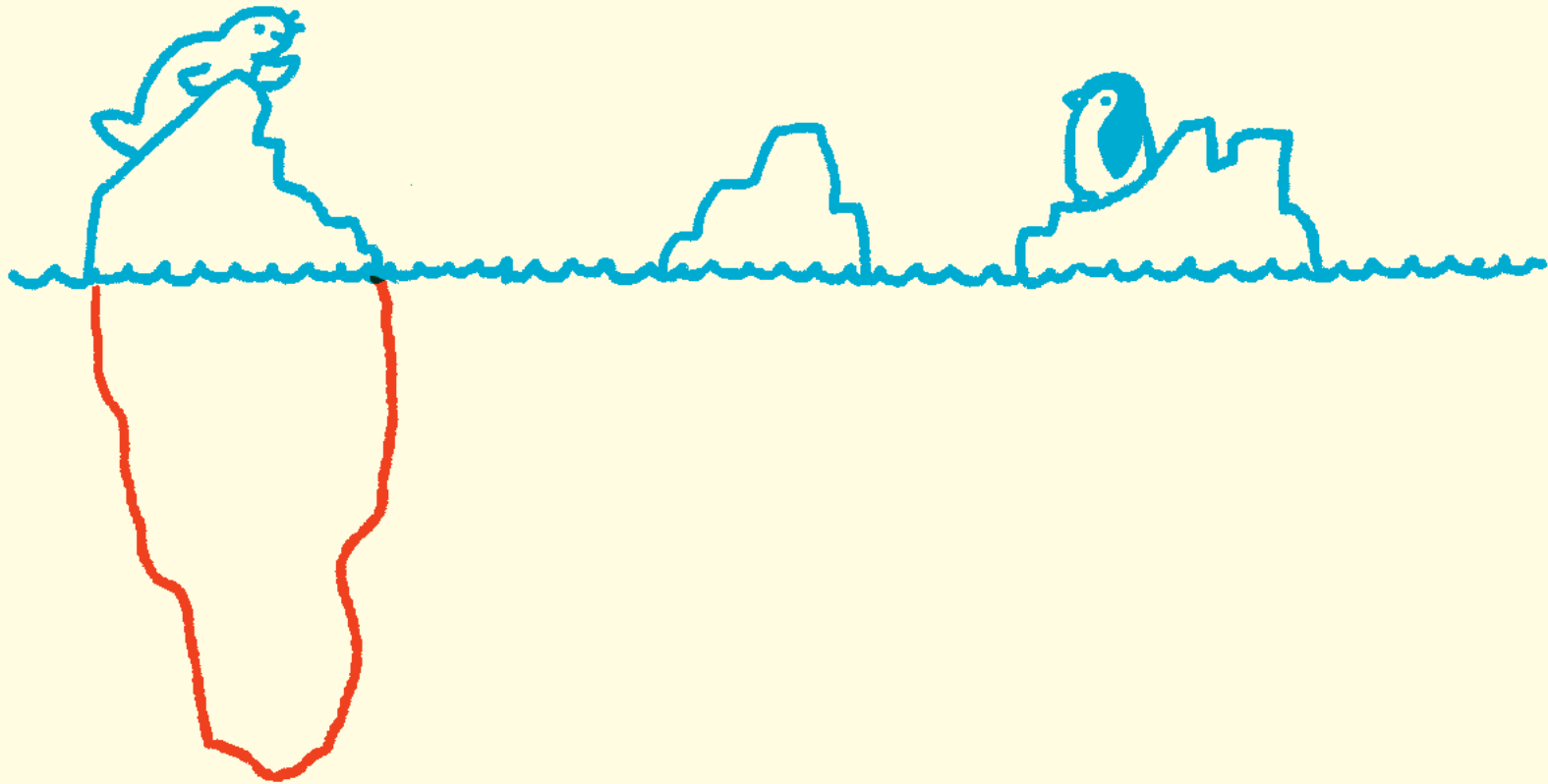


Polar bear 2

Iceberg Ahoy!

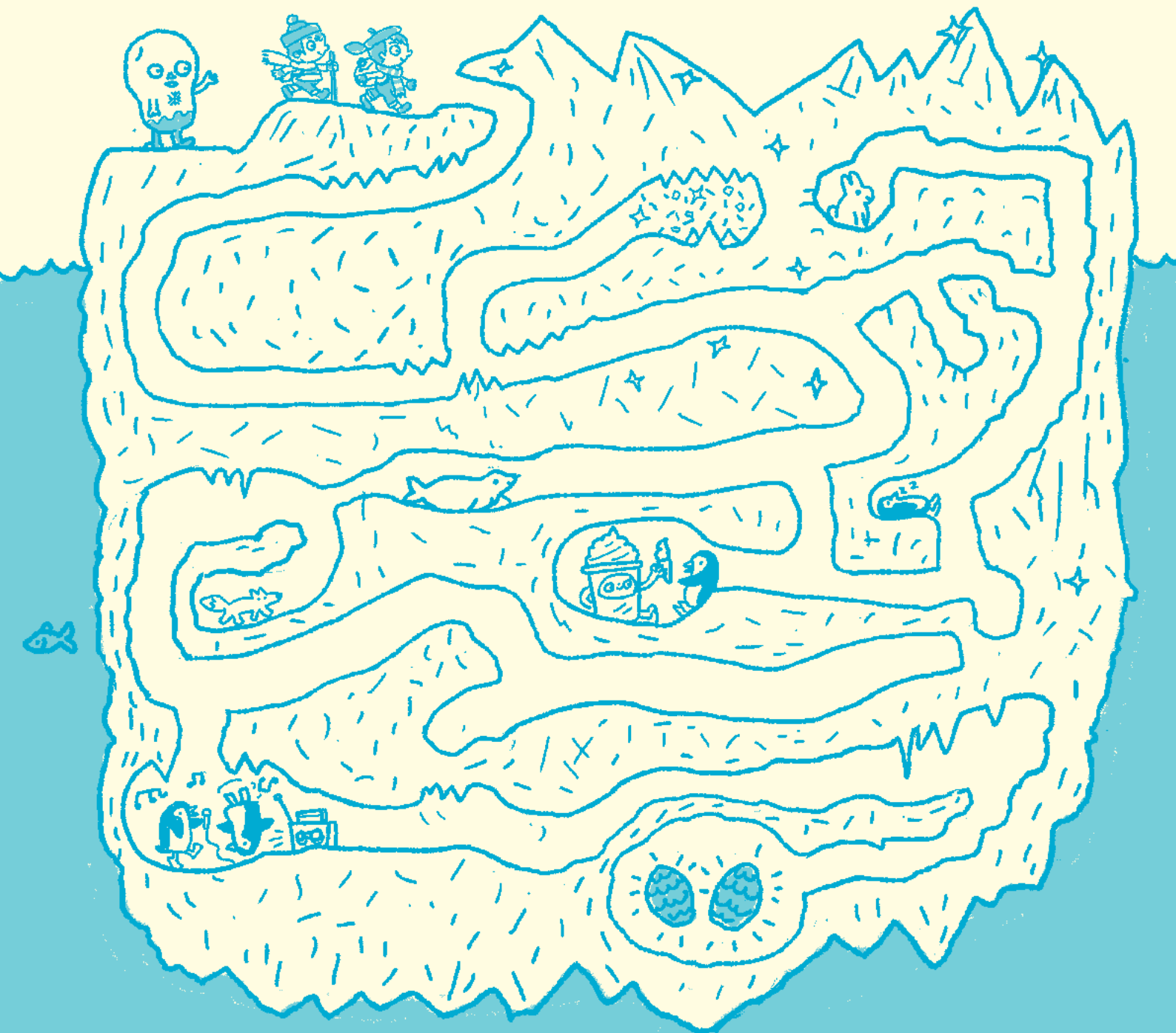
Draw the rest of icebergs below the sea level.

Fact: Icebergs are MUCH bigger beneath the sea level. Next time you have a drink with an ice cube in it, look at how much ice is under the water!



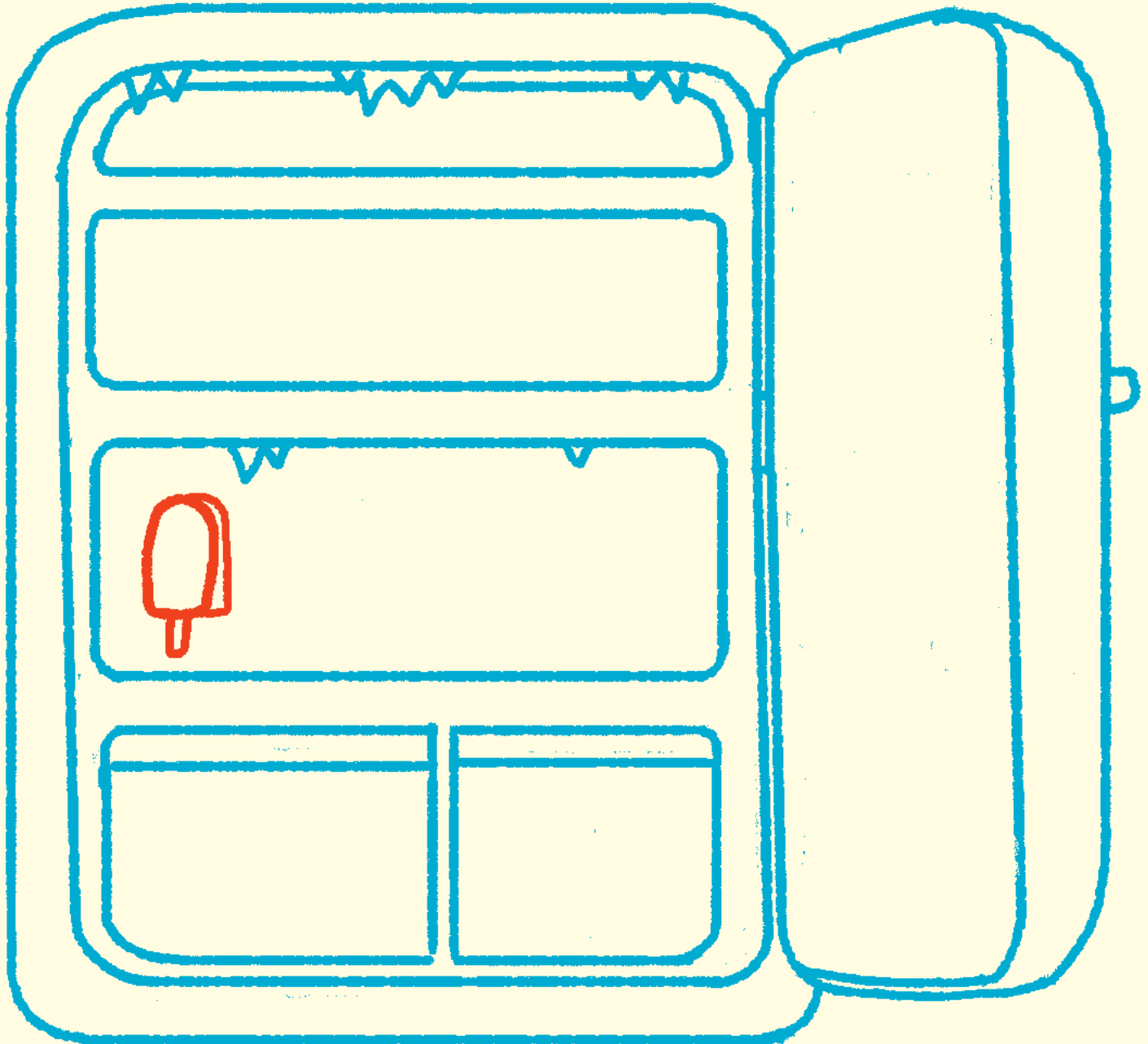
Ice Tunnel

Snowden has lost his pinecone ears. Help Zoe and Felix find them in the ice tunnels!



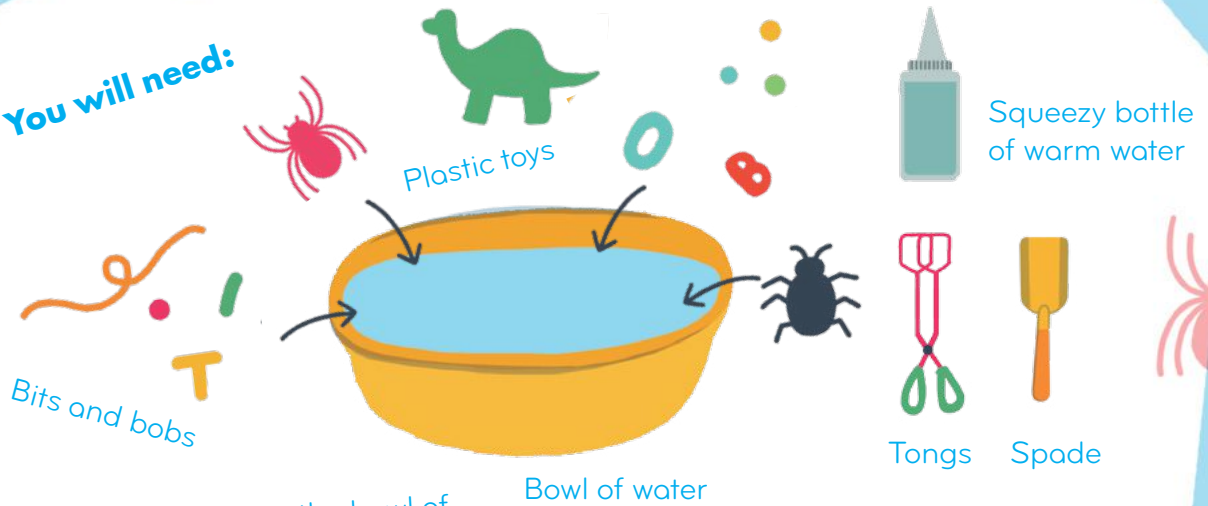
What's in the freezer?

This freezer is empty except for one lonely lolly!
Fill it up by drawing in all the other food.



Ice excavation!

You will need:



Put all the toys, bits and bobs in the bowl of water and **FREEZE OVERNIGHT!**

When you're ready to play, remove the frozen bowl from the freezer and run warm water over it to release the ice block. Put it into a bigger bowl.

Use the squeeze bottle of warm water to melt sections of ice, and the spade to chip away at it.

Time to excavate!

What will you find?

What is the best way to melt the ice?



All is white in Blue's forest

Story and illustration by Rachel Ortas

"Meow, meow, wake up!" cries cat.

"Meow, meow, something very, very strange has happened!"

"What is it, Cat?" answers Blue, snuggling deeper into her fluffy duvet.

"Hissss, hissss, something magic, terrifying..."

"Look!" Cat pulls the curtains for Blue to see.

"Ohhhh!" shouts Blue, "it's true! Yippee!"

And she slides down the tree and flop!

Blue falls deep into the white thing.

Cat starts to meow very loudly. "Blue, where are you?" Oh no, has the white stuff eaten you up? Meow, meow HELP!"

"Come here, Cat! This is so much fun - it's wonderful!"

Blue is jumping, rolling, sliding happily in this new white mysterious thing.

Cat, happy to hear Blue laughing, is still not keen on the white stuff. "Meooow, hisss, that's not a thing for cats! I'll stay up here!"

"I'm going to explore!" says Blue, and she sniffs the air with her little blue nose. "It doesn't smell of anything, just fresh air," she says. Then she carefully tastes the glittering, white stuff with her little blue tongue, no taste either... just a bit cold.



Blue scoops some of the white stuff in her hands, moulds it into a ball and throws it high into the sky.

“That’s really fun!” she giggles.

“I wonder where it comes from?”

Suddenly out of the grey sky, millions of tiny fluffy flakes begin to fall. Millions of swirling and turning fluffy stars dancing in the air!

“Oh! It’s coming from the sky!” Blue laughs,

“I must show Cat!” she says.

“Come on beautiful, dancing stars, let me catch you!”

And she runs and jumps trying to grab the pretty flakes.

As soon as she’s caught some, she holds them very tight in her tiny blue hands, and climbs quickly back into the tree.

“Cat! Cat! Cat! Look at my treasure!” she cries.

Blue carefully opens her hands but ... oh no! There are no more fluffy stars. Only a puddle of water.

“Ha, ha, ha!” she laughs, “this white stuff is just very cold water! I wonder what it’s called?

Do you know Cat?”

But cat shakes his head.

Do YOU know?





Into the snow storm

Noi is out in the snow and ice searching for his friend, the Storm Whale.

To get safely across the frozen sea, Noi needs to make an icy word. Starting on the 'i' in Noi's searchlight, step onto the next block of ice. Make words by stepping only on the blocks that are next to the block you are on, until you have a string of letters that make a word. If the letters don't make a word then start again.

Be careful! See how many of these words you can make. Which word makes it all the way to the water's edge?

ice icy icicles ice cream
ice cap ice pick iceberg





i k i p
c l e s f
e o t r
b r p a
r e a g
a r t
m s

The Storm Whale in Winter
published 2016

by Benji Davies
Published by
Simon & Schuster

simonandschuster.co.uk



When Albert puts on his home made suit he becomes...



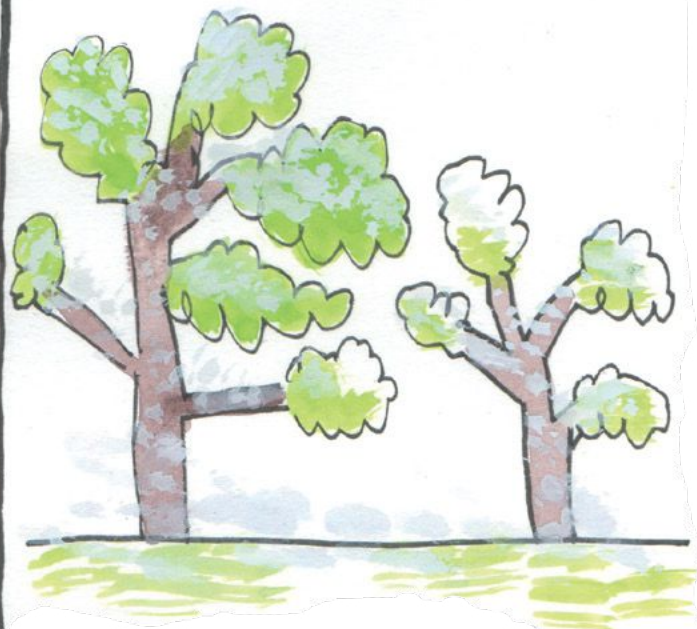
SQUIRREL BOY



Story & Illustration by Beth Morrison

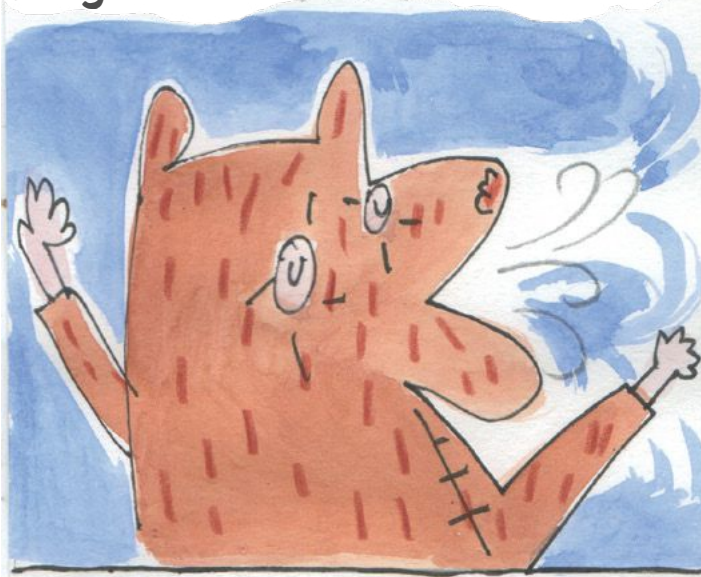
Squirrel Boy had spent the night snuggled in the hollow of an old tree.

When he woke, the park had an eerie stillness.

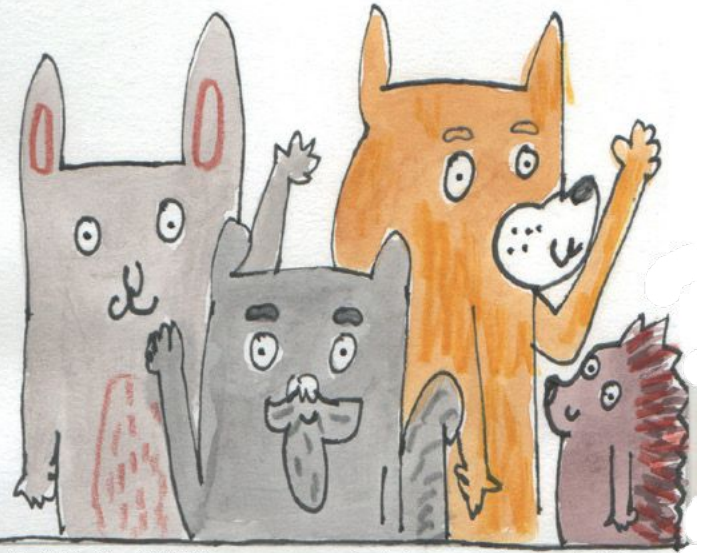


Everything had been covered in beautiful sparkly snow.

Squirrel Boy gasped in amazement. He could see his breath swirling like a dragons!



Just then Grey Beard and his park friends came by...



“We are climbing to the top of the park hill with our sledge.”



They climbed on together and whooshed down the hill at lightning speed.



But then they crashed into a bush and through a hidden tunnel...



is that a mammoth?



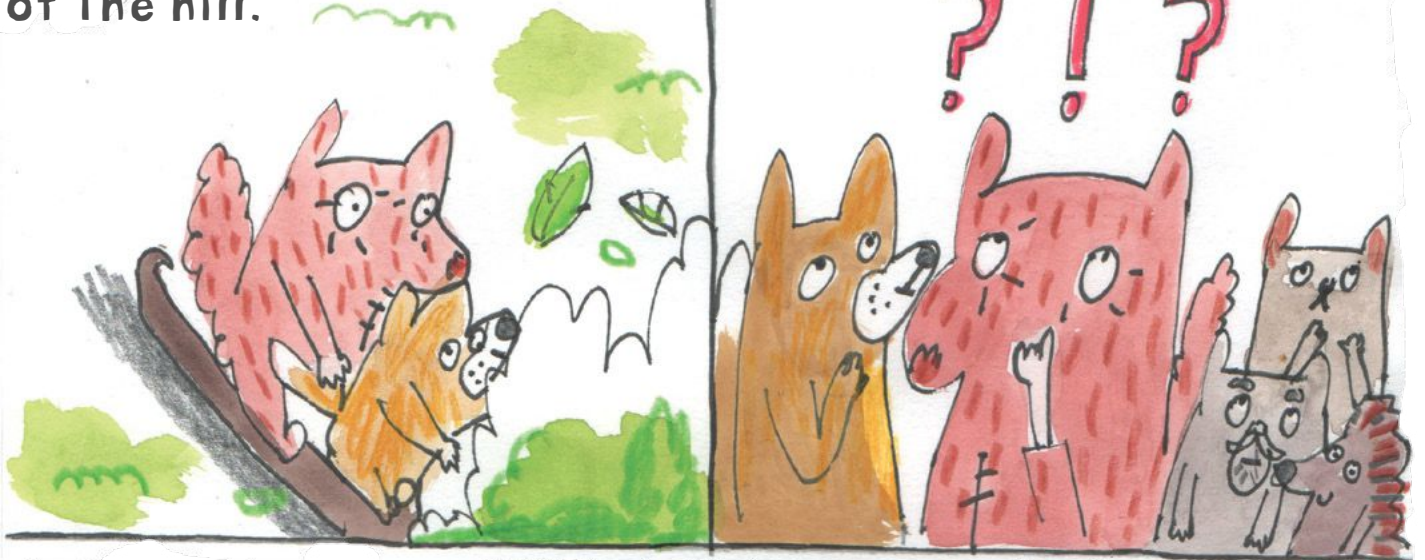
what on earth...?



Amazing!

Until... WHOOSH! They
popped out at the bottom
of the hill.

“What happened there?”



Nothing a cup of hot chocolate at Greybeard's tree
house won't fix.



EASY PEASY curry recipe

Make this mild and delicious curry in one pot with frozen peas!

You will need:

2 onions
2 cloves garlic
2 small tomatoes
small piece of ginger
1 tsp garam masala or
mild curry powder
1/4 tsp turmeric
1/4 tsp mustard seeds
1 red chilli (optional)
10 small new potatoes
1 can of coconut milk
3 cups of frozen peas
wedge of lime
fresh coriander



Ask an adult to help!



1. Finely chop the onions, garlic and ginger.



2. Heat a large saucepan and fry the onions until soft. Add the garlic and ginger and fry for 2 more minutes.



3. Add the mustard seeds, garam masala and tumeric to the onion mix.



4. Add the can of coconut milk with another can of hot water. Bring to the boil.



5. Cut the new potatoes in half and add to the curry. Simmer for 20 minutes or until the potatoes are just cooked.



6. Add the frozen peas and cook for a further 3 minutes. **Fun tip: make a slide with some card and let the peas roll into the pan!**

Squeeze some lime and sprinkle with coriander



Eat with basmati rice or roti





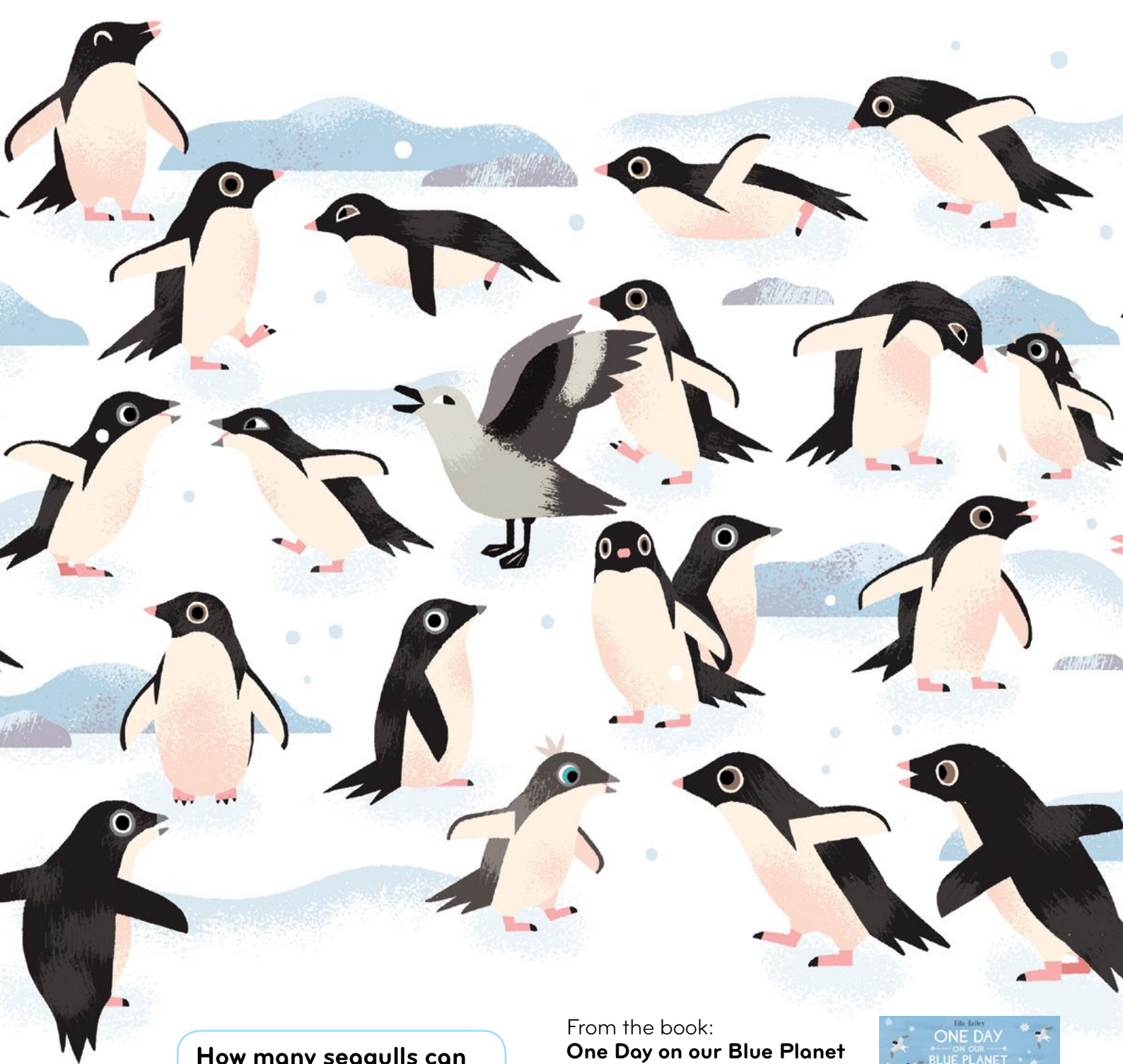
Find the Penguins!

Can you find the penguin chicks?



How many penguins are sliding on their tummies?





How many seagulls can you find?



From the book:
One Day on our Blue Planet
by Ella Bailey published by
Flying Eye books
£11.99



www.flyingeyebooks.com

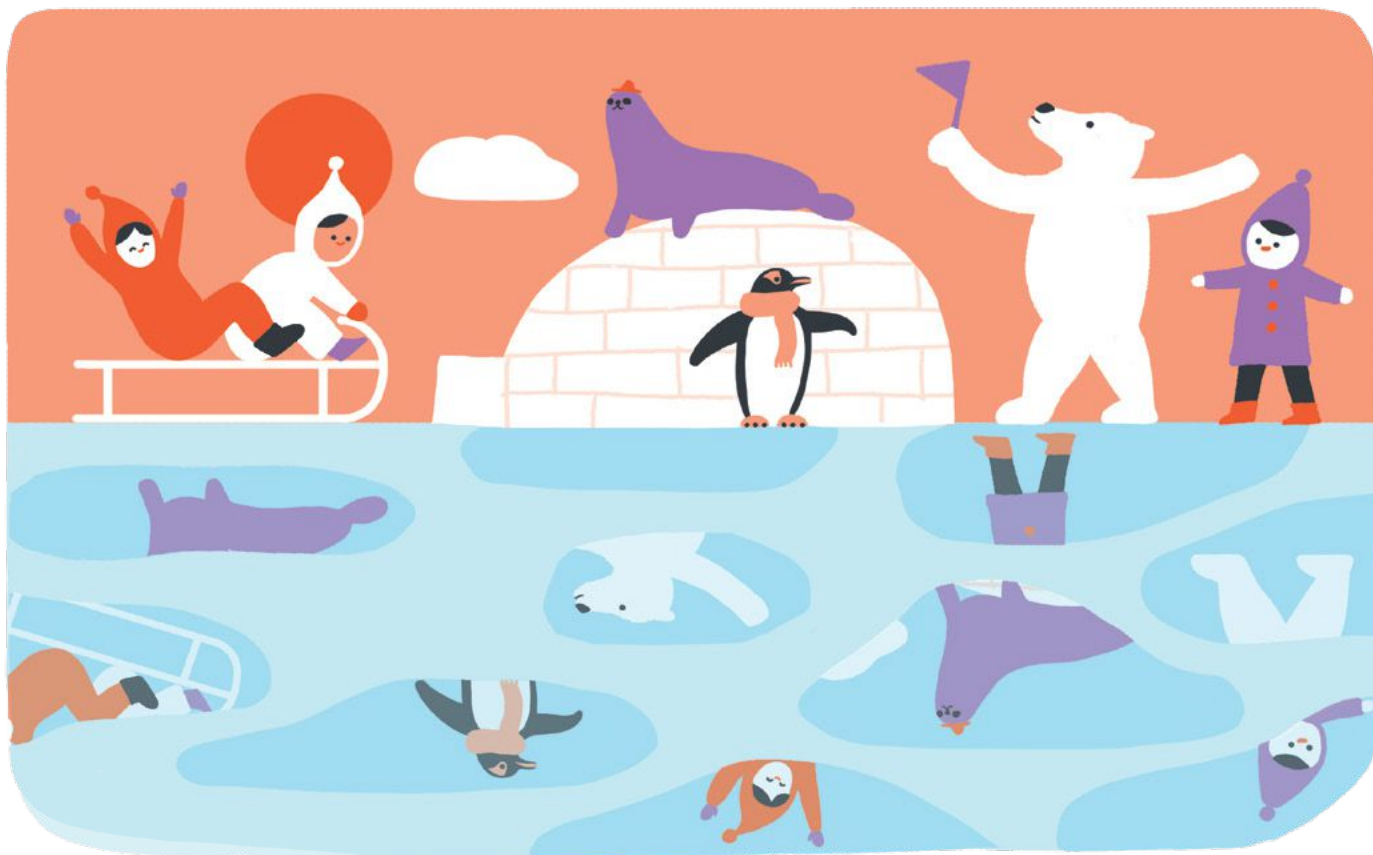
Answers page 46

Icy activities

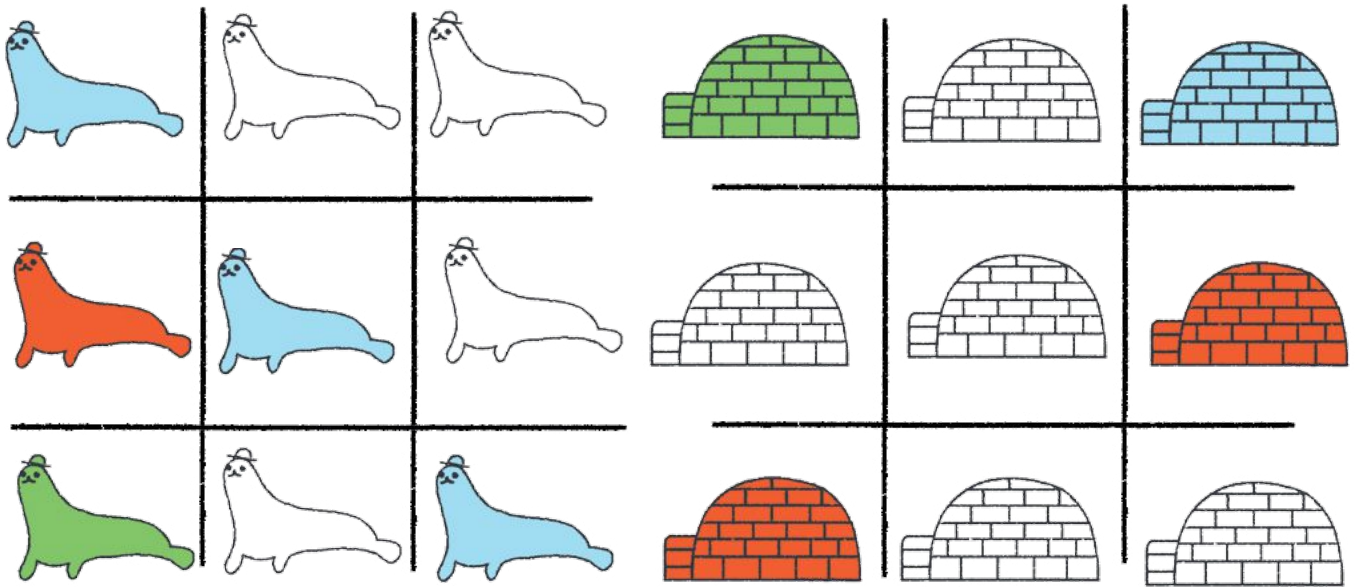
Can you circle the objects that are frozen?



Match the reflections in the water to the characters on land.



Complete these puzzles by filling in the missing blanks. Every row and every column needs to have one of the 3 colours in it.



Follow the red ice lollies to the ice cream van.



Start

End

Icy escapades

Board game

1. Place your counters at the start.
2. Take it in turns to roll the die and move nearer to the end.
3. If you land in a hole you must jump to the matching hole somewhere else on the board. It could take you forwards or backwards.
4. To finish, you must roll the exact number to land on the END square!

Game for 2-4 players

You will need:

Counters and a die

START





OKIDO

FAN PAGE!

Welcome OKIDO readers!
Send us your drawings and photos!
Send post to: OKIDO,
1-5 Vyner St, London E2 9DG
or email: info@okido.co.uk



William (6) enjoyed making some biscuit architecture!



Jamie (4) made all the OKIDO dolls.



Joshua (4) with his stackable OKIDO dolls.

Answers

Icy activities

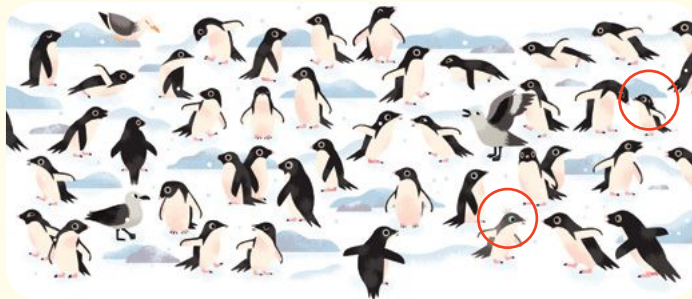
Can you circle the objects that are frozen?



Match the reflections in the water to the characters on land.

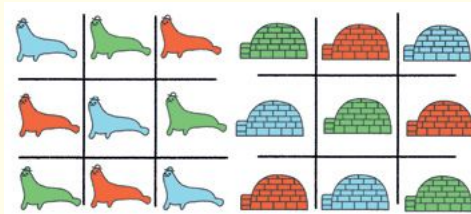
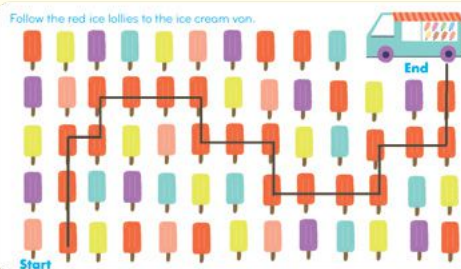


Can you find the penguin chicks?



How many penguins are sliding on their tummies? 3

How many seagulls can you find? 3



Freezer funnies

What's Messy's favourite treat?



A SOCKSICLE!

What happens when Rocky sneezes?



AVALANCHE!

Snowden practicing his drums!



Snowden's pinecones

Hide and seek in the freezer!



"ICE SEE YOU!"

This issue of **Okido**
is all about **ice**.
Read fabulous **stories**,
draw, make **stuff**,
play, **create** and **enjoy**
your new **Okido**.

Stories



Activities



Games



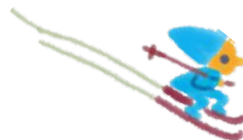
Doodles



Recipe



& a poem



Okido helps children learn through play. It is full of stories, activities and games that stimulate creativity and inspire scientific interest.

Issue #57

Ice

This issue has been printed on FSC paper using biodegradable vegetable inks.

Get in touch

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