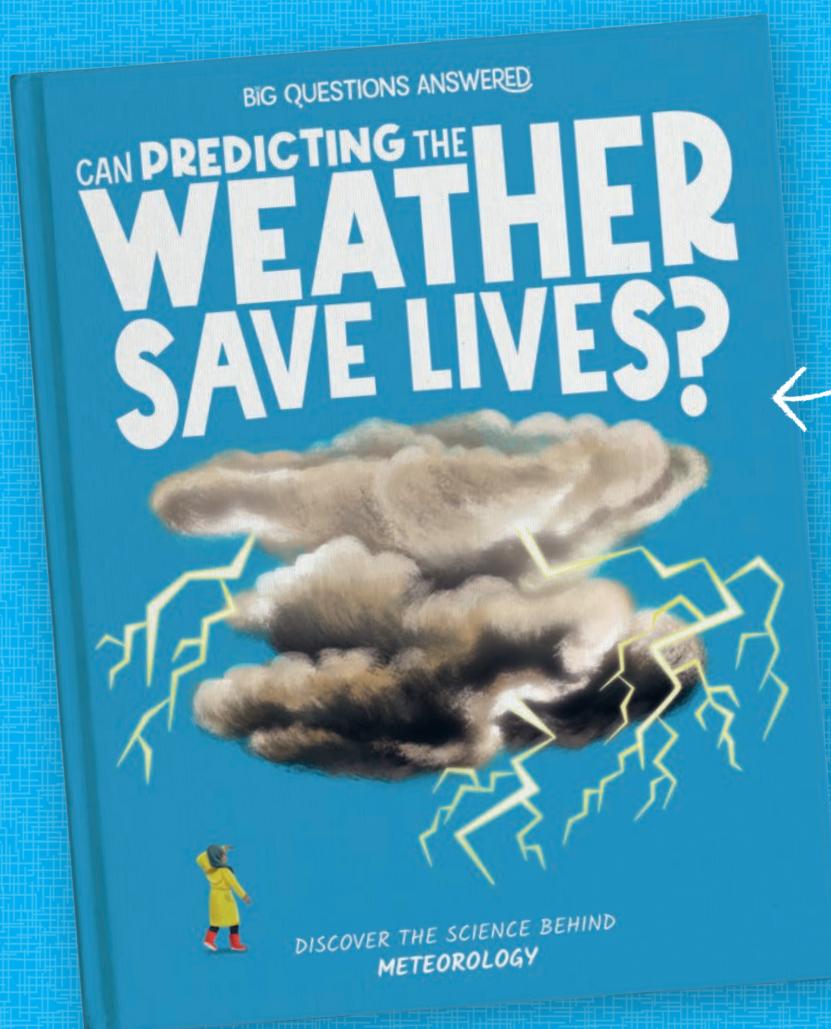


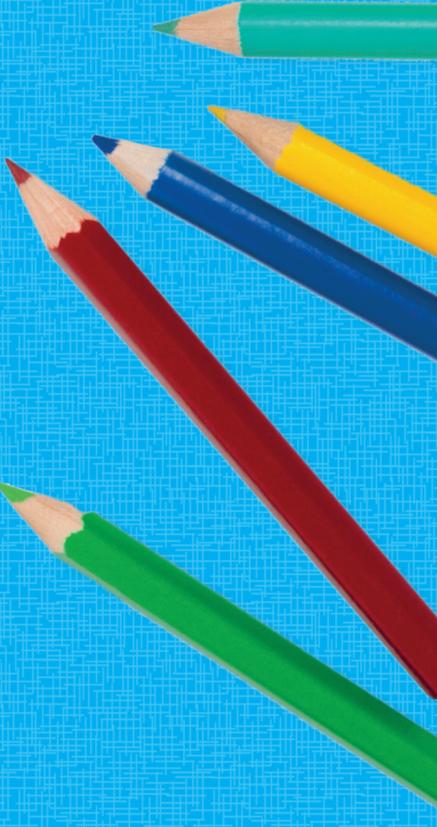
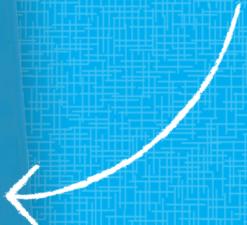
THE BIG QUESTIONS ANSWERED

YOUNG METEOROLOGISTS'

ACTIVITY PACK



Full of fun and
exciting activities to
accompany this book!



CONTENTS:

All Sorts of Weather: Creative Drawing	3
Fill the Basket: Creative Drawing	4
Weather Tools: Cut and Stick	5
Extreme Weather Words: Word Search	6
How Hurricanes Work: True or False?	7
Create Your Own Super Storm: Creative Drawing	8
Key Worker Jumble: Match Up	9
Diary Entry: Creative Writing	10
Weather Report: Creative Writing	11
Rescue Mission: Line Maze	12
Word Eruption: Word Scramble & Words Within a Word	13
Dangerous Skiing: Spot the Difference	14
Predicting the Weather: Decoding Challenge	15
Write Your Own Meteorology Story: Creative Writing	16
More Fun Activities: Colouring Sheets and More!	17
Activity Answers	28

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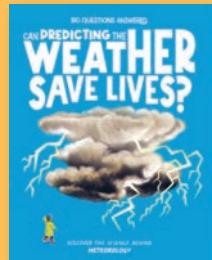
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CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'The Importance of Forecasting: Scene 1'.

www.thebigquestionsanswered.com



ALL SORTS OF WEATHER

Use the headings below to draw different types of weather in an everyday scene. For example, turn the sunny scene into a scene at a beach with the sun shining down.

Get creative and have fun!



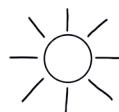
WINDY SCENE



RAINY SCENE



SNOWY SCENE



SUNNY SCENE

CAN PREDICTING THE WEATHER SAVE LIVES?

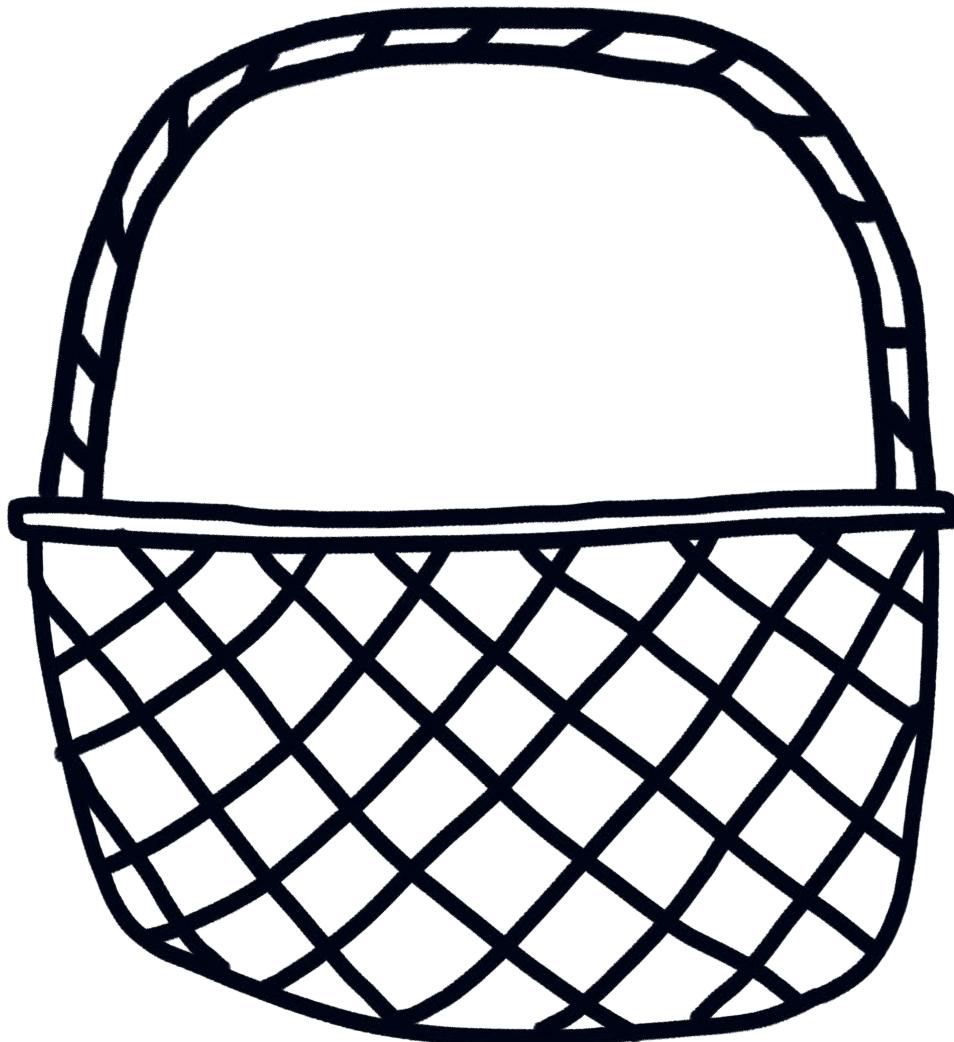
For reference to the Teachers' & Parents' Resources, this goes with 'How Does the Weather Affect Us?: Scene 2'.

www.thebigquestionsanswered.com



FILL THE BASKET

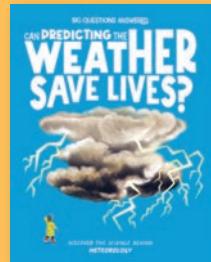
Fill the shopping basket below full of your favourite foods that grow from the soil.
Some examples may include potatoes, grains, such as corn and rice,
fruit, and vegetables.



CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Using Tools: Scene 3'.

www.thebigquestionsanswered.com



WEATHER TOOLS

Cut out along the dotted lines before starting this activity.
Match each weather tool to its description.

ANEMOMETER



SNOW GAUGE



THERMOMETER



WIND SOCK



BAROMETER



WIND VANE



RAIN GAUGE



WEATHER BALLOON



I measure how fast the wind is blowing.
I have four cups attached to me to help
me do this!

I measure air pressure.
I look like a compass!

I show you which way the wind is
blowing. I am often orange and white!

I fly high in the sky to collect
information about the weather. I
look like a hot-air balloon!

I tell you how hot or cold something is.
You use me to take your temperature
when you're unwell!

I measure how deep the snow is. I
often look very icy!

I collect and measure rainfall. I look
like a measuring cup!

I point to the direction the wind is
coming from. You can often find me
on the top of houses!

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Extreme Weather: Scene 4'.

www.thebigquestionsanswered.com



EXTREME WEATHER WORDS

Find and circle the words listed below, in the grid. Words can be found in any direction (including diagonals) and can overlap each other.

O	K	S	T	O	R	M	D	E	Z	T	D	C	M	C	I	F	V	O	M
G	C	G	P	E	V	N	C	G	A	Q	Y	B	J	C	I	U	K	K	U
N	Q	D	Y	P	I	K	U	Y	T	P	J	O	U	I	P	T	Q	W	E
I	Z	T	A	W	J	B	D	D	C	M	E	P	I	S	C	Q	I	W	Z
S	V	Z	N	Q	M	Y	Q	H	T	L	V	N	R	A	M	P	U	O	T
K	V	W	X	T	S	Z	X	O	W	D	O	S	G	S	O	M	T	K	Y
F	Q	R	F	J	U	R	U	G	V	X	J	N	H	N	N	Z	T	I	P
Q	U	N	S	R	A	B	G	M	L	H	I	W	E	S	S	D	Z	L	H
R	C	A	U	I	S	A	E	J	K	D	F	S	U	T	O	C	U	D	O
C	U	B	Q	Z	Y	X	G	Y	O	K	S	E	A	S	O	N	V	H	O
T	H	N	J	N	U	X	S	O	A	I	Z	N	J	A	N	A	C	G	N
R	A	I	N	F	A	L	L	H	S	R	J	O	O	L	S	M	T	L	N
H	W	U	D	F	V	F	F	W	M	K	J	S	R	W	P	X	B	G	X
G	S	M	V	X	K	K	G	P	O	F	L	W	X	C	W	V	Q	D	D
W	H	Q	V	L	U	W	C	L	D	Q	M	R	Y	I	E	G	X	S	X
I	N	G	A	O	H	M	E	X	B	H	D	V	N	N	A	Y	B	P	E
N	R	E	X	T	R	E	M	E	H	P	E	V	D	W	T	H	C	N	A
P	F	H	G	A	H	Q	K	P	W	B	U	Y	G	E	H	I	N	H	T
V	K	V	E	X	H	G	E	N	M	J	I	I	T	W	E	V	X	F	W
P	N	F	O	G	U	K	N	S	J	O	N	Y	E	T	R	E	M	C	V

MONSOON
CYCLONE
TYPHOON
SEASON

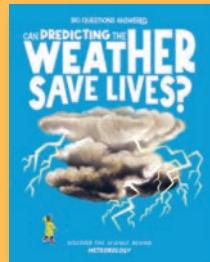
WEATHER
EXTREME
FLOODING
SUNNY

RAINFALL
WIND
STORM
SNOW

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'How Hurricanes Form: Scene 5'.

www.thebigquestionsanswered.com



HOW HURRICANES WORK

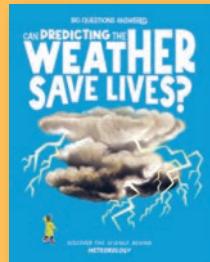
Now you know all about natural disasters and hurricanes, read the sentences below and decide if they are true or false.

	SENTENCE	TRUE	FALSE
1	A natural disaster is an event that causes a lot of damage and can sometimes hurt people.		
2	A natural disaster is something positive and happy.		
3	A tornado and a hurricane are the same thing.		
4	Examples of natural disasters include storms, earthquakes, and hurricanes.		
5	A hurricane is not a type of natural disaster.		
6	During a hurricane, the weather can get very stormy and there can be extremely strong winds.		

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Hurricane Katrina: Scene 6'.

www.thebigquestionsanswered.com



CREATE YOUR OWN SUPER STORM

Meteorologists know that weather can have lots of different features that make it extreme. Try drawing your own **extreme weather**, using the features below to give you ideas.

LIGHTNING

RAIN

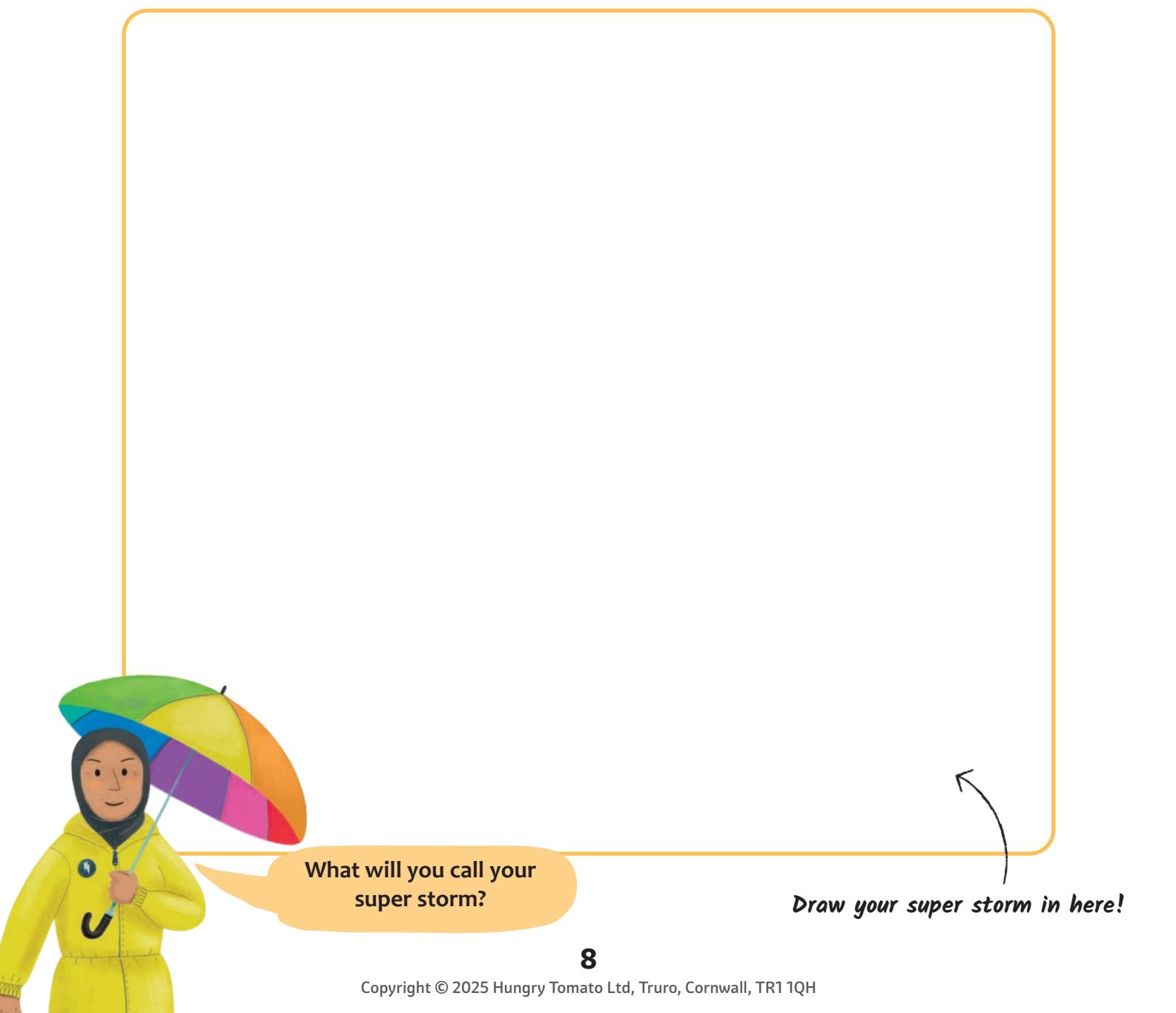
WIND

SUN

CLOUDS

HAIL

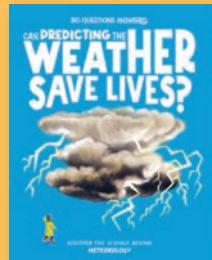
SNOW



CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Emergency Response Team: Scene 7'.

www.thebigquestionsanswered.com



KEY WORKER JUMBLE

Match up each key worker with their correct job description.
Can you get them all right?



I am a...
**PARAMEDIC/
DOCTOR**



I am a...
FIREFIGHTER



I am a...
VOLUNTEER



I am a...
COASTGUARD



I am the...
POLICE



I am a...
METEOROLOGIST



I help out people in my community without getting paid.



I save people who are in trouble out at sea, as well as protect the coastline.



I keep everybody safe by enforcing the law and catching criminals.



I help sick and injured people and make sure they get the help they need to get better.



I study the weather and predict what's on the way!



I put out fires and help rescue people in dangerous situations.



CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Tracking the Hurricane: Scene 8'.

www.thebigquestionsanswered.com



DIARY ENTRY

Write a diary entry as if you were spending a day in space, looking down on planet Earth. How would you feel, what do you think you might see, and what might you get up to for the day?



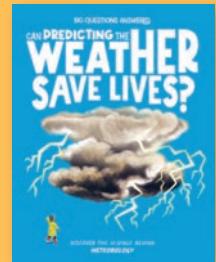
Feeling stuck? Try some of these...

- **Describe where you are in space.**
Where are you? What is around you?
 - **Describe what planet Earth looks like.**
Think about the size and colour.
 - **Describe how you would be feeling.**
Would you be excited, nervous, or something else?

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Letting Everybody Know: Scene 9'.

www.thebigquestionsanswered.com



WEATHER REPORT

Look outside at the weather. What is it like? What does the sky look like? Draw what the weather looks like below and write a weather report on the dotted lines. There are some words to help you.



Draw the weather in here!

RAINY

WINDY

SUNNY

CLOUDY

THUNDERSTORM

FREEZING

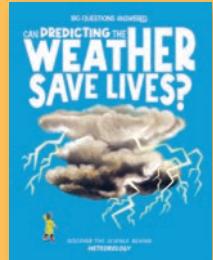
HOT

CHILLY

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Working Together: Scene 10'.

www.thebigquestionsanswered.com



RESCUE MISSION

The emergency response team need to rescue the people who are stuck after the hurricane has damaged their home. Which line gets the helicopter to the people who need help?



CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Watching the Weather: Scene 11'.

www.thebigquestionsanswered.com



WORD ERUPTION

Oh no, a volcano has erupted and mixed up a bunch of words! Test your word-solving skills by trying to unscramble the words. They are all related to volcanoes and the weather! There is a list of the correct words below to help you.

OLCVNAO
ERTPU
TSIGOLOROETEM
EAWRTH
SAH
AMGMA
EERPTRATUME

VOLCANO

MAGMA

ASH

METEOROLOGIST

WEATHER

ERUPT

TEMPERATURE

EXTRA ACTIVITY - WORD WITHIN WORDS

Can you find as many words as you can within the word 'meteorologist'.

1. You can only use the letters within the word 'meteorologist'
2. Each of these letters can only be used once: M, L, G, I, S.
3. 'Meteorologist' has two letter E's, two T's and three O's. So you can use E and T twice and O three times.
4. You can't use any other letters from the alphabet.

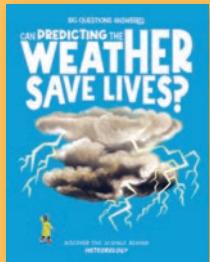
Example: you can make the word TOOL using the letters in METEOROLOGIST.

METEOROLOGIST

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Saving Lives in Small Ways: Scene 12'.

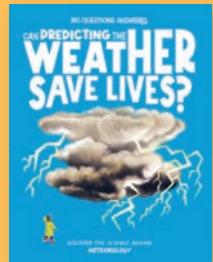
www.thebigquestionsanswered.com



DANGEROUS SKIING

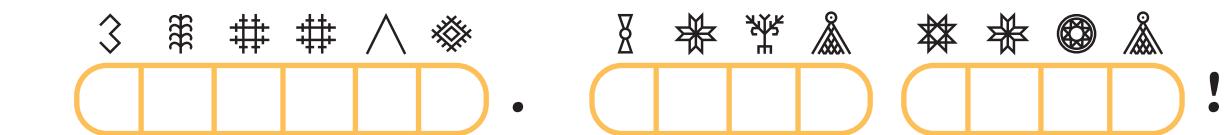
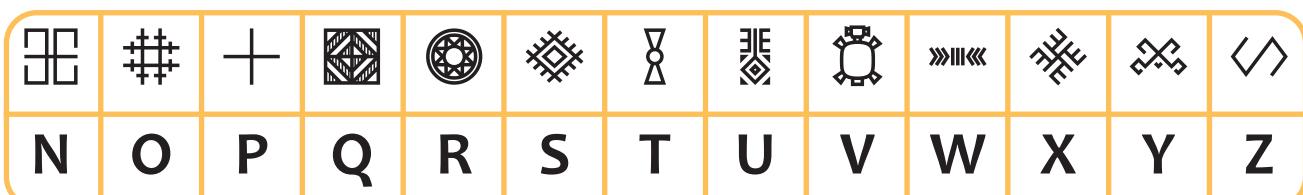
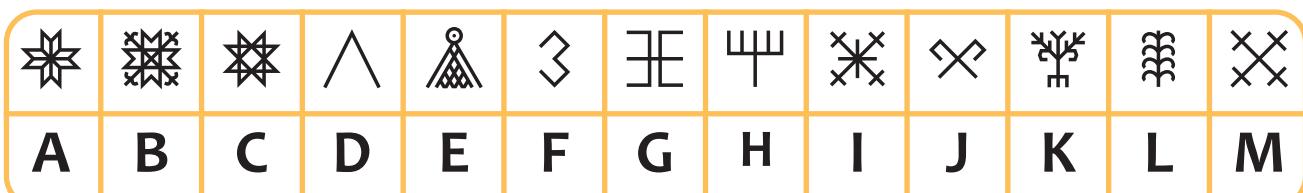
This skiing scene is trying to catch us out! Can you spot the **10** differences between the two scenes? Circle them when you spot them.





PREDICTING THE WEATHER

You are working in the meteorology office when a strange message flashes up on your computer screen. It looks like a message from another meteorologist! Can you use the code below to work out what the message is? Once you've read the message, write your response using the code on another piece of paper.

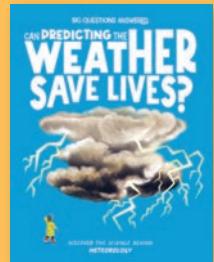


What is your response?

CAN PREDICTING THE WEATHER SAVE LIVES?

For reference to the Teachers' & Parents' Resources, this goes with 'Post-Reading Questions'.

www.thebigquestionsanswered.com



WRITE YOUR OWN METEOROLOGY STORY

Can you write a story of your own about meteorology, making sure to include the three key words below?

WEATHER

PREDICT

METEOROLOGIST

Handwritten lines for writing a story.

MORE FUN METEOROLOGY ACTIVITIES

COLOURING SHEETS & MORE!

The following activities aren't based on any specific scenes in the book. They can be used on their own or alongside the book as extra activities.

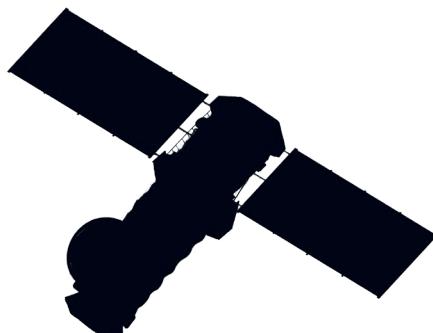
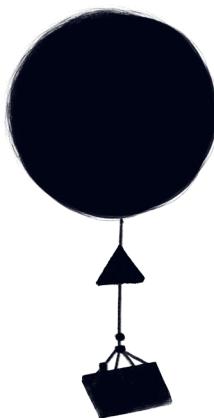
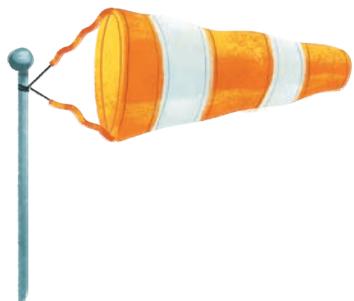
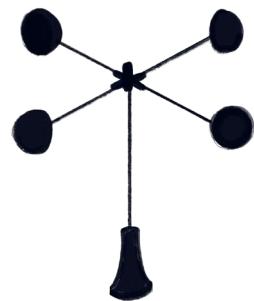
FIND THE SCIENTIST

Can you find the meteorologist?
Circle them when you find them - there's only one!



MATCH THE SHAPE

Can you match each shadow to the correct picture? Draw a line to connect them.



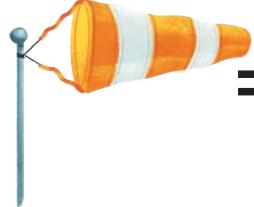
SIMPLE SUMS

Below are 3 objects which represent different numbers.

Work out the sum based on what each object represents and write your answers in the boxes.



= 1



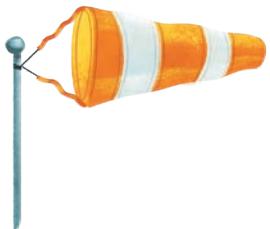
= 3



= 5



+



+



=



+



-



-



=



-



+



-



=



+



+



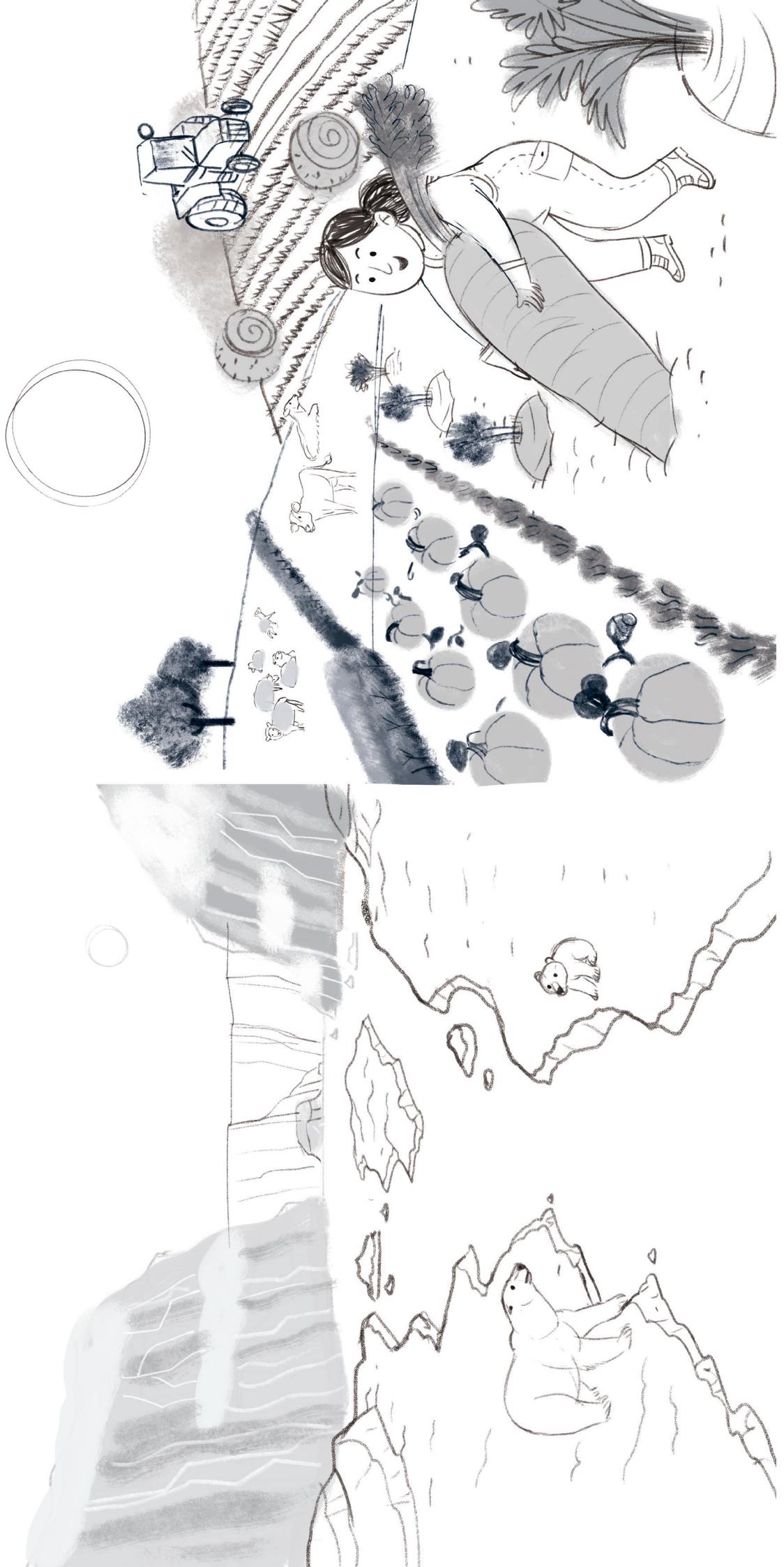
-



=

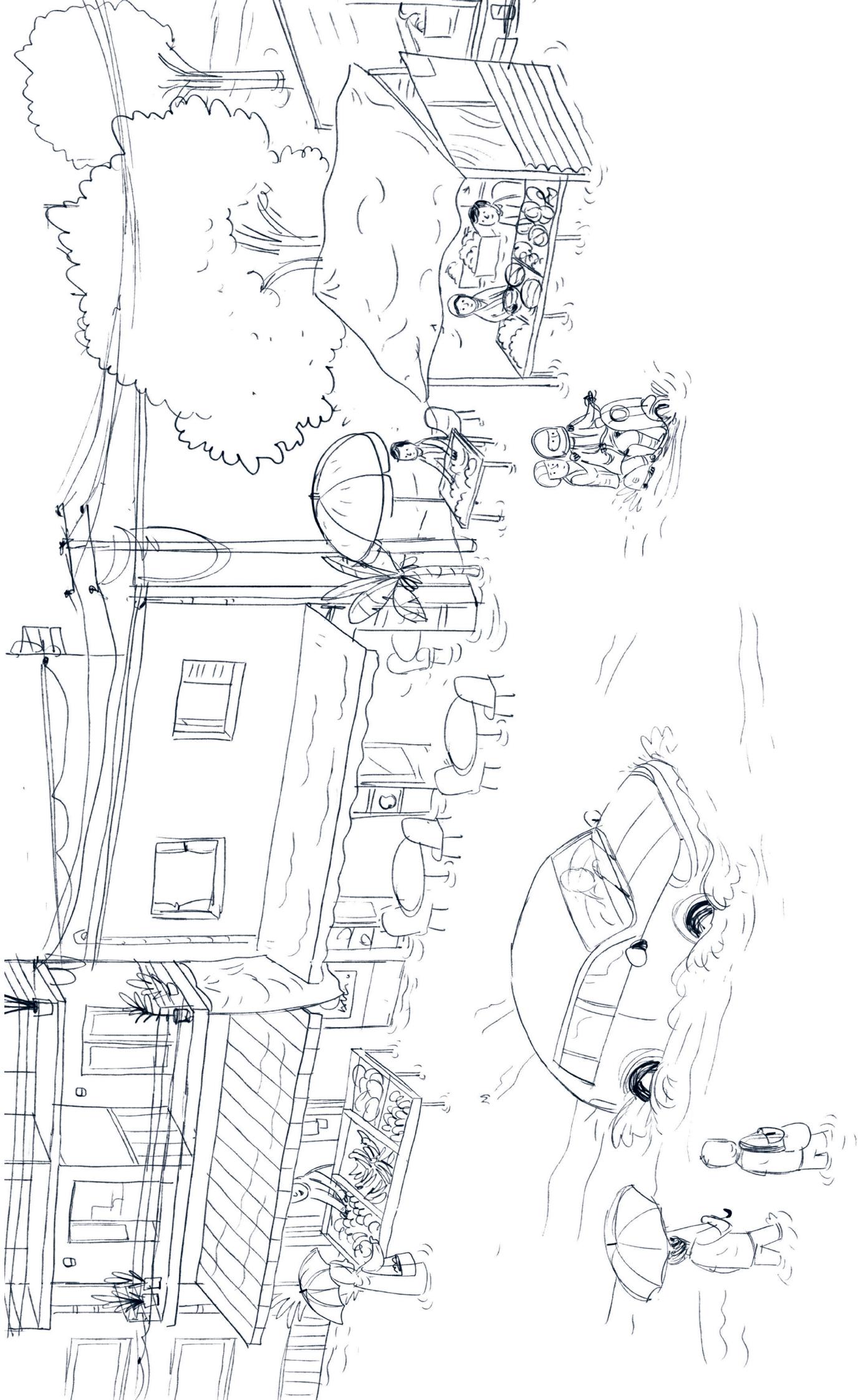
COLOUR ME IN!

This colouring sheet is based on scene 2:
How Does the Weather Affect Us?



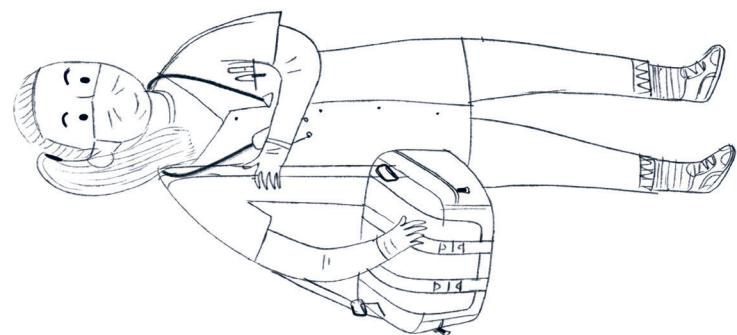
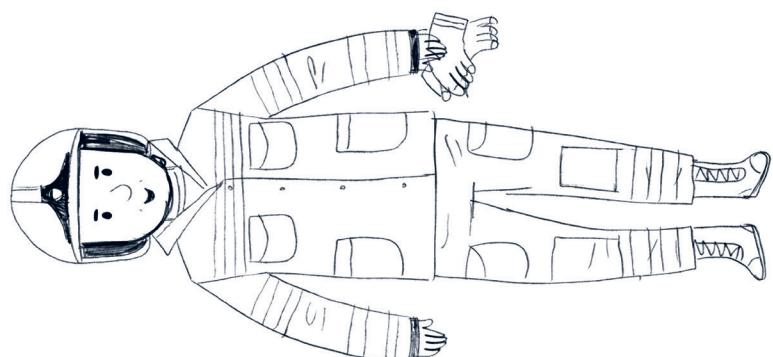
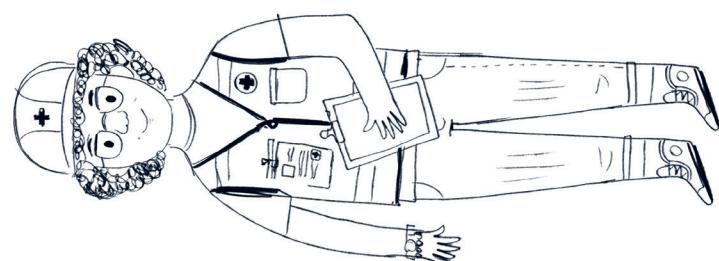
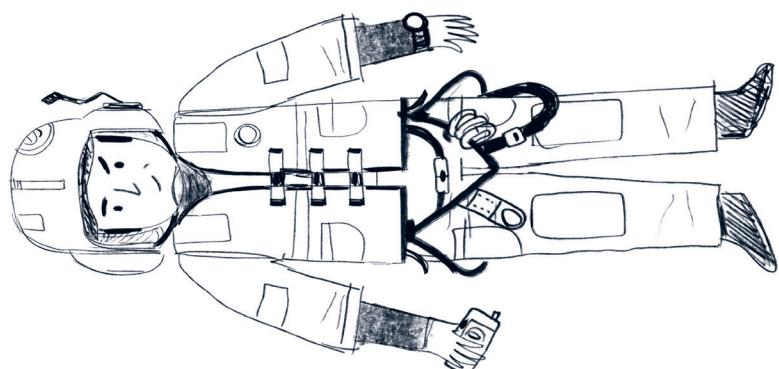
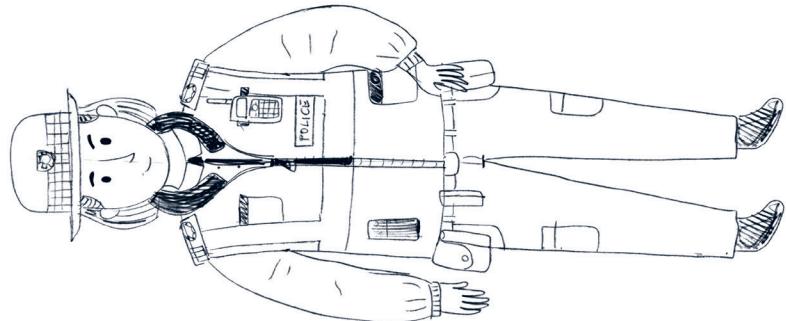
COLOUR ME IN!

This colouring sheet is based on scene 4: Extreme Weather.



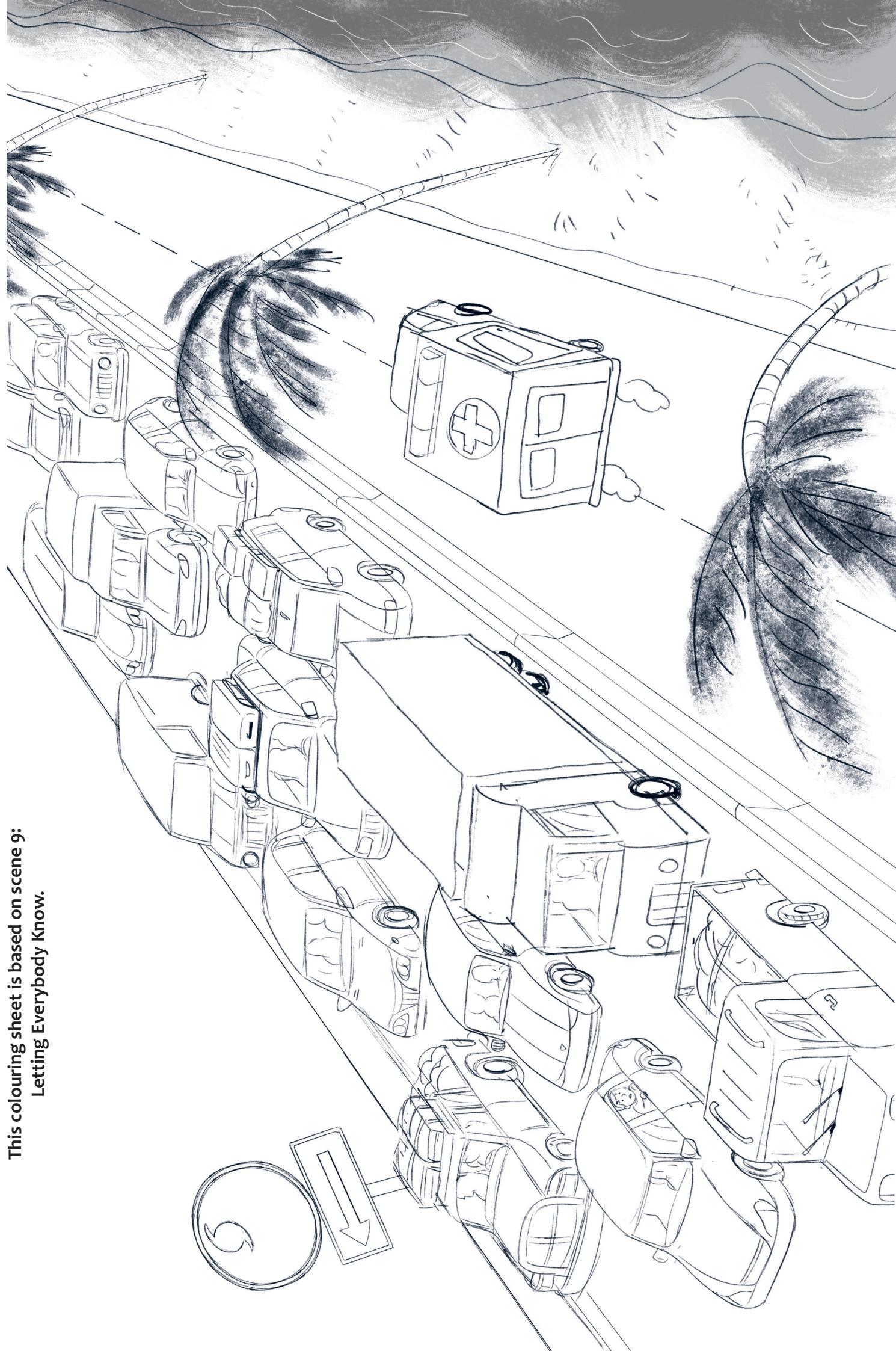
COLOUR ME IN!

This colouring sheet is based on scene 7:
Emergency Response Team.



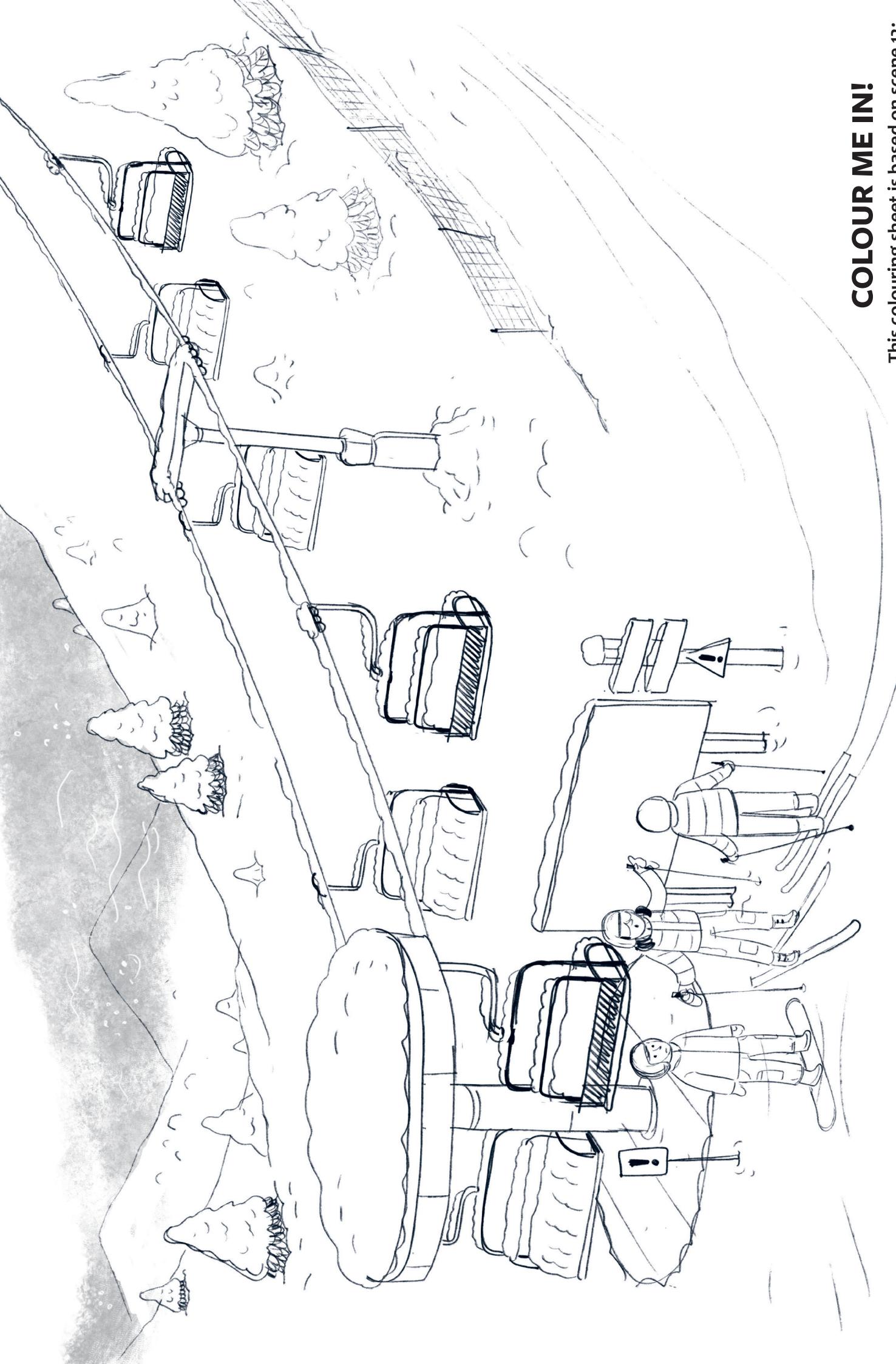
COLOUR ME IN!

This colouring sheet is based on scene 9:
Letting Everybody Know.



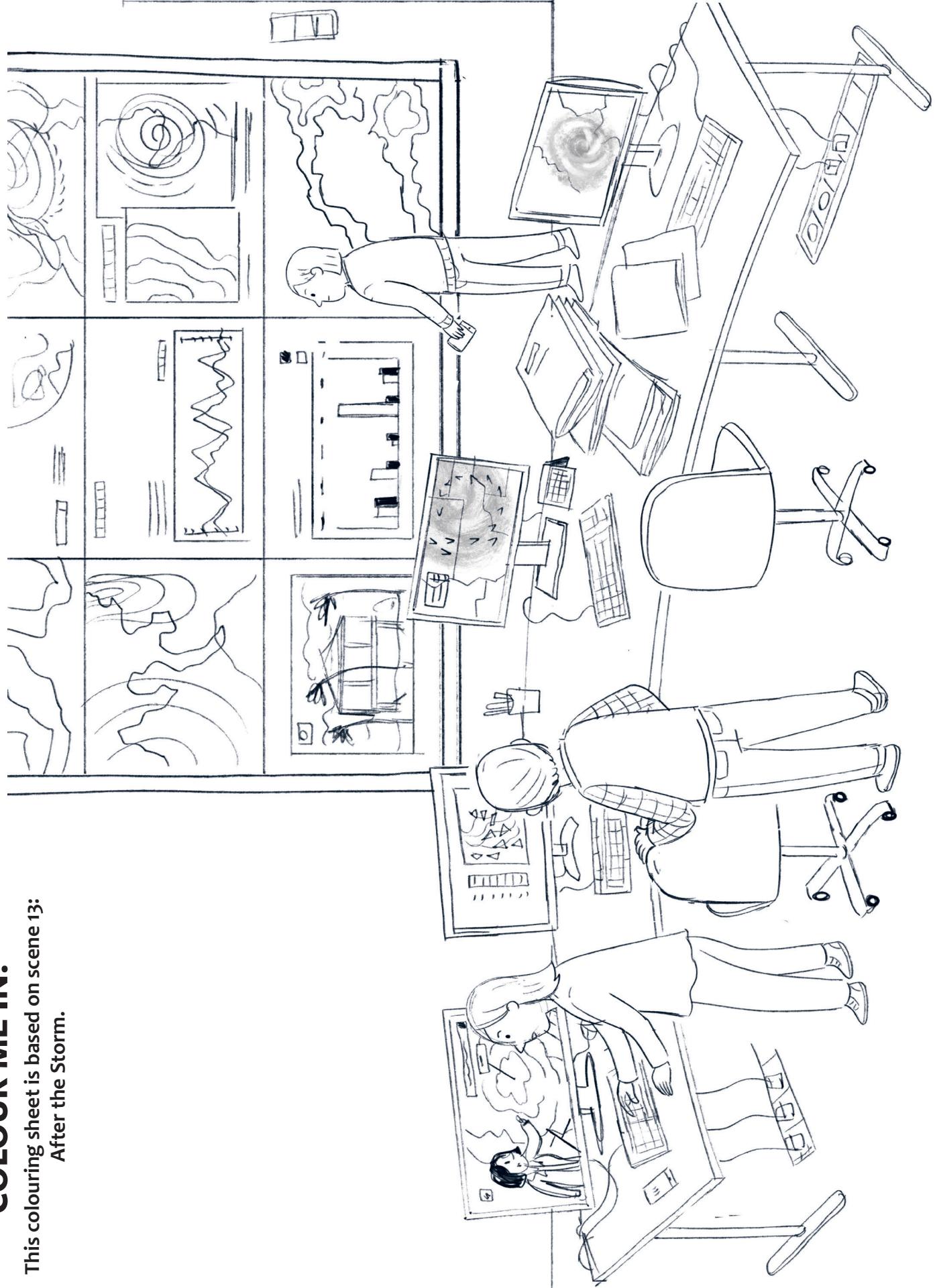
COLOUR ME IN!

This colouring sheet is based on scene 12:
Saving Lives in Small Ways.



COLOUR ME IN!

This colouring sheet is based on scene 13:
After the Storm.



DOT-TO-DOT

Starting from 1, draw a line connecting the numbers to create a picture. Why not colour it in afterwards?



YOUNG METEOROLOGISTS' ACTIVITY ANSWERS

Find the answers to the activities on the following pages.

ACTIVITY ANSWERS

Check your answers against the correct answers below!

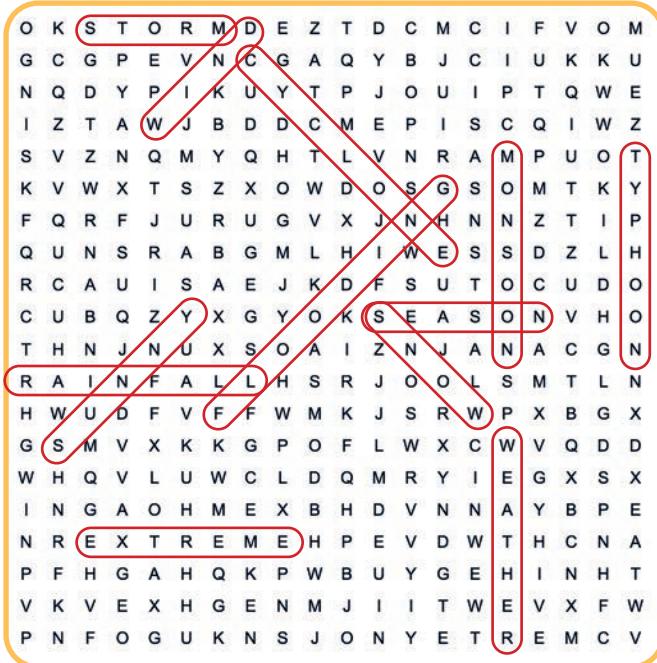
WEATHER TOOLS ANSWERS

The answers below are for the cut and stick activity on page 5.

<p>ANEMOMETER</p> <p>I measure how fast the wind is blowing. I have four cups attached to me to help me do this!</p>	<p>SNOW GAUGE</p> <p>I measure how deep the snow is. I often look very icy!</p>	<p>THERMOMETER</p> <p>I tell you how hot or cold something is. You use me to take your temperature when you're unwell!</p>	<p>WIND SOCK</p> <p>I show you which way the wind is blowing. I am often orange and white!</p>
<p>BAROMETER</p> <p>I measure air pressure. I look like a compass!</p>	<p>WIND VANE</p> <p>I point to the direction the wind is coming from. You can often find me on the top of houses!</p>	<p>RAIN GAUGE</p> <p>I collect and measure rainfall. I look like a measuring cup!</p>	<p>WEATHER BALLOON</p> <p>I fly high in the sky to collect information about the weather. I look like a hot-air balloon!</p>

EXTREME WEATHER WORDS ANSWERS

The answers below are for the word search activity on page 6.



HOW HURRICANES WORK ANSWERS

The answers below are for the true or false activity on page 7.

	SENTENCE	TRUE	FALSE
1	A natural disaster is an event that causes a lot of damage and can sometimes hurt people.	TRUE	
2	A natural disaster is something positive and happy.		FALSE
3	A tornado and a hurricane are the same thing.		FALSE
4	Examples of natural disasters include storms, earthquakes, and hurricanes.	TRUE	
5	A hurricane is not a type of natural disaster.		FALSE
6	During a hurricane, the weather can get very stormy and there can be extremely strong winds.	TRUE	

KEY WORKER JUMBLE ANSWERS

The answers below are for the match up activity on page 9.



RESCUE MISSION ANSWERS

The answers below are for the line maze activity on page 12.



WORD ERUPTION ANSWERS

The answers below are for the word scramble activity on page 13.

OLCVNAO	_____	VOLCANO
ERTPU	_____	ERUPT
TSIGOLOROETEM	_____	METEOROLOGIST
EAWRTH	_____	WEATHER
SAH	_____	ASH
AMGMA	_____	MAGMA
EERPTRATUME	_____	TEMPERATURE

DANGEROUS SKIING ANSWERS

The answers below are for the spot the difference activity on page 14.



PREDICTING THE WEATHER ANSWERS

The answers below are for the decoding challenge activity on page 15.



EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

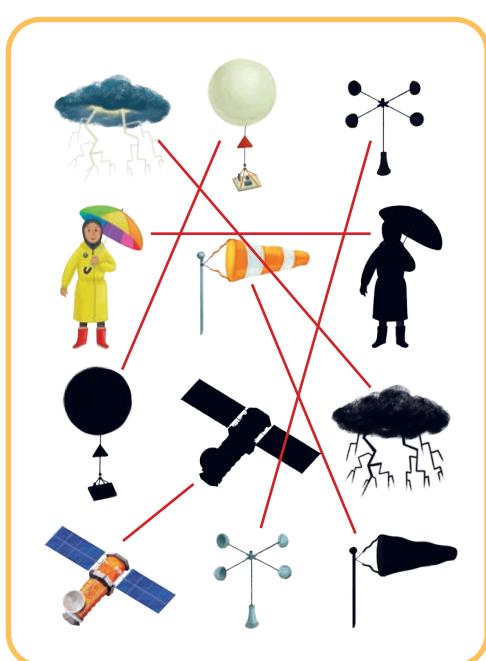
FIND THE SCIENTIST

The answers below are for the activity on page 18.



MATCH THE SHAPE

The answers below are for the activity on page 19.



SIMPLE SUMS

The answers below are for the activity on page 20.

 +  +  = 5
 +  -  = 6
 -  +  -  = 6
 +  +  -  = 0