



Check out these fun facts!

Blue whales are larger and heavier than any dinosaur ever was.

blue whale



Weighs up to 180 tonnes That's about the same as: 30 tyrannosaurus rex!



3 double-decker buses

Dinosaurs often swallowed rocks. These rocks helped them grind up food.



F. Size!

The **dumbest** dinosaur was **stegosaurus.** Its brain was just the size of a walnut!

An ostrich's eye is bigger than its brain.



kept in a dark room would eventually turn pale.





Compsognathus is one of the smallest adult dinosaur fossils. It was about the size of a chicken!

Dinosaurs have walked on all continents, even Antarctica. Brrr

I know about... dinosaurs!

How did dinosaurs evolve? Follow the time trail to find out.

Start

Trilobite "try-luh-byt"

Creatures developed in the warm Pre-Cambrian seas about 600 million years ago!

Sticker here!

Cambrian period

About 540 million years ago

Extinction!

Dimetrodon "dy-mehtruh-don"

Sticker here!

Permian period

About 300 million years ago



Extinction!

Use your dinosaur stickers & here!



Prestosuchus "preh-stoh-soo-ch-us"

> Sticker here!

Triassic period

About 250 million years ago



Extinction!

Dunkleosteus "dunk-lee-oh-stee-us" · · ·

> Sticker here!

Devonian period

About 420 million years ago

Extinction!

Allosaurus

"Ah-lowsaw-rus"

> Sticker here!

Jurassic period

About 200 million years ago

Extinction!

Diplocaulus

"dip-low-caw-lus"

One theory is that 75 million

years ago an asteroid hit Earth,

wiping out the dinosaurs!

Sticker here!

Carboniferous period

About 360 million years ago

Extinction!

Finish

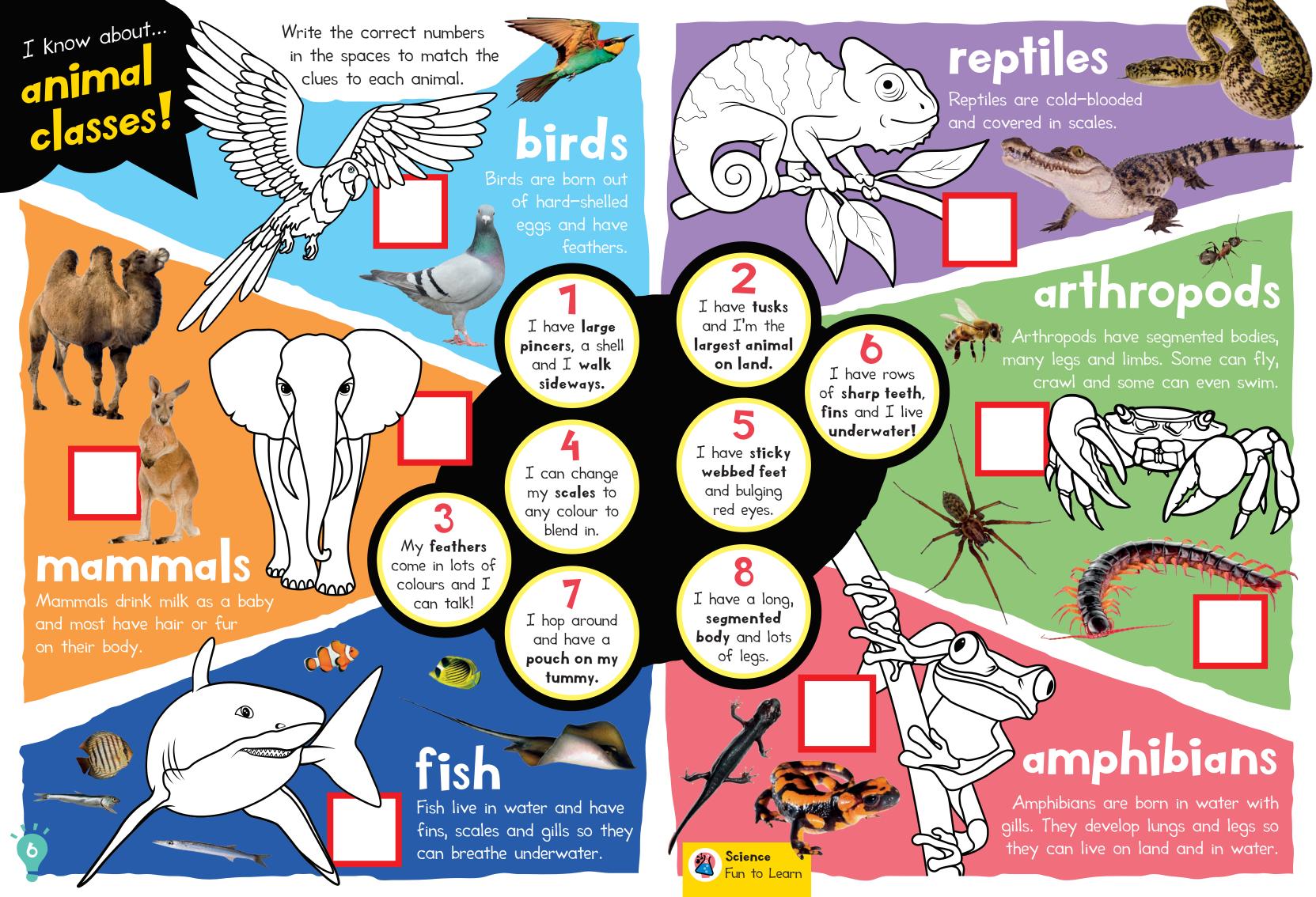
Triceratops

"try-seh-ra-tops"

Tyrannosaurus Rex "tie-ran-oh-saw-rus

> Cretaceous period

About 145 million years ago









Art and DesignFun to Learn

ROAR like a T. rex!

Ask an adult to chop off the pointy end of a carrot and slice it lengthways. Push it in to the sandwich for the head. Add a blob of ketchup for an eye. Sit the dinosaurs on a bed of salad.



Join the Smart Squad!

Roefel

Send a photo of you with your Sarnie-Saurus to iknow@redan.com for a chance to appear in the magazine and win a prize!

Sing this dinosaur rhyme before you tuck into your Sarnie-Saurus!

Eeny, Meeny, Miny, Moe, Catch a T-rex by the Toe.

If it ROARS, let it go...

Eeny, Meeny, Miny, Moe!





The equator is an imaginary line that divides Earth into the Northern Hemisphere and Southern Hemisphere.

North pole

As Earth travels around the Sun, the area closest to the Sun changes. This is how we get our seasons; spring, summer, autumn and winter.

Vostok station, Antarctica

Autumn

Spring

Autumn

Summer

Winter

Sun

Summer

Winter

Desert creatures

Read each sentence and tick the box next to the correct answer.



Which is the came!?





Places further away from the equator are cold.

Those closest to the equator are hotter.

Which is the scorpion?





Which is the duna beetle?

Northern hemisphere

> Sahara The second

largest desert.

Africa

Europe

Southern hemisphere



A desert is an area of land that receives extremely low amounts of rain.

South pole

Antarctica

Did you know...

Antarctica is the world's largest, dryest, windiest and coldest desert!



Bunsen is in Antarctica. Is he hot or cold?



Tick the correct box.

The coldest temperature ever recorded was -89.2 degrees Celsius at Antarctica's Vostok Station, in 1983.

Colour in the things you'd need in Antarctica.







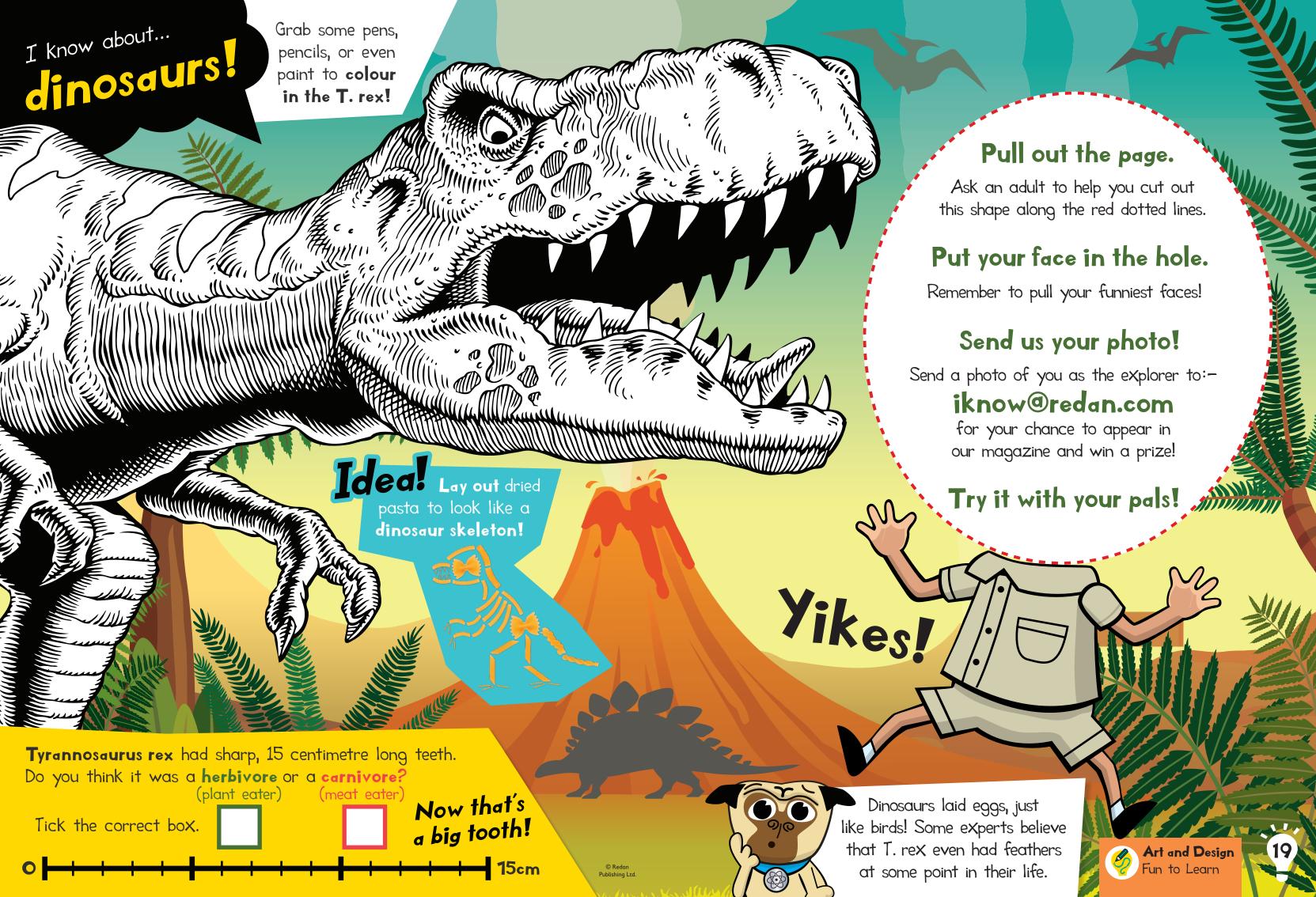






17







Pop your stickers in the correct places to complete the skeleton.

What's the most easily broken bone in the body?

The cavicle or collar bone is the most likely bone to get broken.

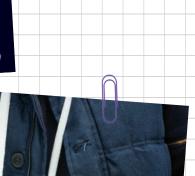


What's the strongest bone?



The **femur** (upper leg bone) is the strongest bone in the body.

Broken bones can re-grow and repair themselves.



Patient notes

skull

radius and

humerus

cavice

(collar bone)

rib cage

Protects the soft organs. Liver, heart and lungs.

patella (knee cap)

tibia and fibula

Memory

Cover the names. How many bones can you remember?



Did you know...

There are 206 bones in the adult human body! The smallest of which is the stapes or stirrup bone in your ear.

Hey! Did you know there are 27 bones in the human hand?

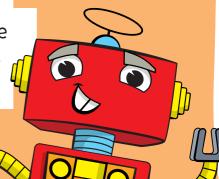


Draw around your own hand then add in bones with a white crayon.





Cut out the counter and place it on the start. Use the code to move Ro:Bert through the grid to the finish.





Code:



Place it here!

















right 2 spaces



















Three to give away! Enter now for a chance to win.



I know about... tornadoes!

Let's find out more about one of the most powerful forces of nature.

Five terrifying twister Facts

- 1. Tornado winds can reach 300 miles per hour.
- 2. They can travel more than 100 miles.
- 3. If a tornado occurs over water, it's called a waterspout.
- 4. The deadliest tornado was in Bangladesh, in 1989. 1,300 people died.
- 5. Tornado Alley in the USA has over 200 tornadoes a year!

Would strip branches and the bark from trees. flatten buildings and throw cars over 100 metres!



Here's a storm chaser trying to get as close as he can to the action.





Cross out the letters T, S, B and C, to reveal the missing word from the sentence below.

The safest place to shelter from a tornado is

Tornadoes begin with large storms called supercells.

Cold and hot air merge with strong winds and rotate quickly.

Cold air falls Deadly Strong combo! wind

Hot air rises

This is called the funnel.

A tornado can pick up a car and drop it far away!

Fun to Learn



Did you know...

The UK gets around 30-50

tornadoes a year! But don't worry,

they're mostly tiny and harmless.

Water going down a plughole forms a vorteX like a tornado. Watch which way your toys spin when you pull the bath plug out.

clockwise



anti-clockwise





I know how to...

make stuff!

Raid the recycling to make this awesome

Maze Game!



Idea!

You and a friend could make a maze for each other to do!

Did you know...

In 2014, the world's largest corn maze was 60 acres in California. That's roughly the size of 40 football pitches!

You will need:

- an adult to help
- a shoe box lid or half of a cereal box
- drinking straws
- scissors
- PVA glue
- foil ball or marble
- pencil







Step 1:

Sketch out your maze with a pencil. Make sure to leave enough room for your ball to roll between the straws.



Please ask an adult to help you cut the straws to size. Use PVA glue to stick the straws along the pencil lines.



Join the Smart Squad!

Send in a photo of you with your maze to iknow@redan.com for a chance to appear in the magazine and win a prize!

Finish



A-maze-ing!

How to play:

When the glue has dried, use a rolled up ball of foil and guide it through the maze, from start to finish!



Please recycle

your straws and cardboard when you've finished!







Unscramble the letters to work out the names for these 'grinning' animals. Write the coloured letters on the lines at the bottom to finish the sentence.



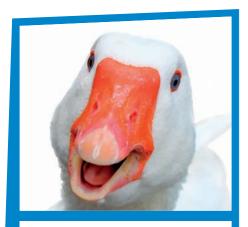
gdo



lmala



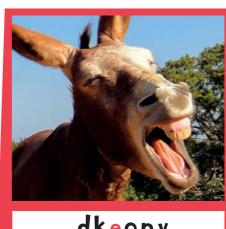
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sirequrl







Smart squadi

The sender of every drawing or photo printed here has won a Bunch O Balloons Filler/Soaker and pack of Splash To Win Fill and Tie Self-Sealing Water Balloons. Get a supreme soaking this summer! Fill and tie 100 water balloons in less than 60 seconds with these sensational self-sealing water balloons

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Please see below for competition



Fact

Send in your favourite fact. If we like it, we'll print it and you'll win a prize!



A crocodile

can't poke its tongue out!

Ethan B, s, Wrexham

M WHAD IN!

(Remember to send your photo, too!)



Alex M, 5 Ballymena

Jensen R, 6

Newport

Lexie M, 7 Inverness





Louise D, 6

Bridgnorth

Look at this bufferfly!

space below. It could be your favourite animal, a space rocket, a dinosaur, or anything else you like!

We love to see your drawings. Draw something in the

I.Ssue
Name:
Address:
•••••••••••••••••••••••••••••••••••••••
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Ve're **ALSO** on twitter

Grown-ups can like or follow for competitions, facts, pictures and more!

Grown-ups:

Send us your child's drawing or a photo of them with something made from the magazine, for a chance to win a prize! Don't forget to add their name, age and your postal address.

eturn pictures or photos. Please see page 30 for competition rules and privacy statement.



Let's get quizzy!

How much did you learn? Tick the correct boxes to answer the questions.

Blue whales are larger

true

false

Allosaurus were from the Cambrian period.

Age

false

The ancient Greeks invented the theatre.

false

The first living creature to orbit Earth was a cat.

false

There are 500 bones in the human body.

Colour

this in!

false

Hint: Turn to these pages to help you find the answers.
1; Page 3. 2; Page 5. 3; Page 9. 4; Page 15. 5; Page 21

If you scored...

1-2: Not bad!

3-4: Well done!

5: Superstar!

Answers, NO PEEKING!







