

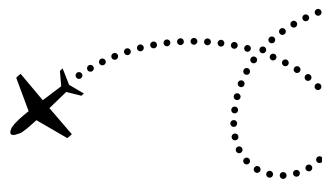


Design your
own medal &
mascot !

A scavenger
hunt included
for your next
visit !

Twinkletoes

The Royal Air Force Museum
Activity Adventure



Welcome to your RAF Museum Activity Book!

This activity book was created in partnership with the Royal Air Force Museum Midlands and RicNic Associates. Through colouring, puzzles, and creative activities, you'll discover exciting RAF stories, aircraft, and history in a fun and engaging way.

You can visit the Museum at

Royal Air Force Museum Midlands

Lysander Avenue, Cosford

Shropshire, WV7 3EW

Have fun exploring, learning, and creating! ✈️

Fun Facts

- To fuel a single German V2 rocket, it takes about 30 tonnes of potatoes.
- The calculations necessary for putting 8 guns on a spitfire were done by 13 year old Hazel Hill.
- Different types of camouflage were used at different times of day. For example blue was used for photo reconnaissance and pink was used during sunset and sunrise.
- The Mosquito plane was made of wood and was highly adaptable into many roles.



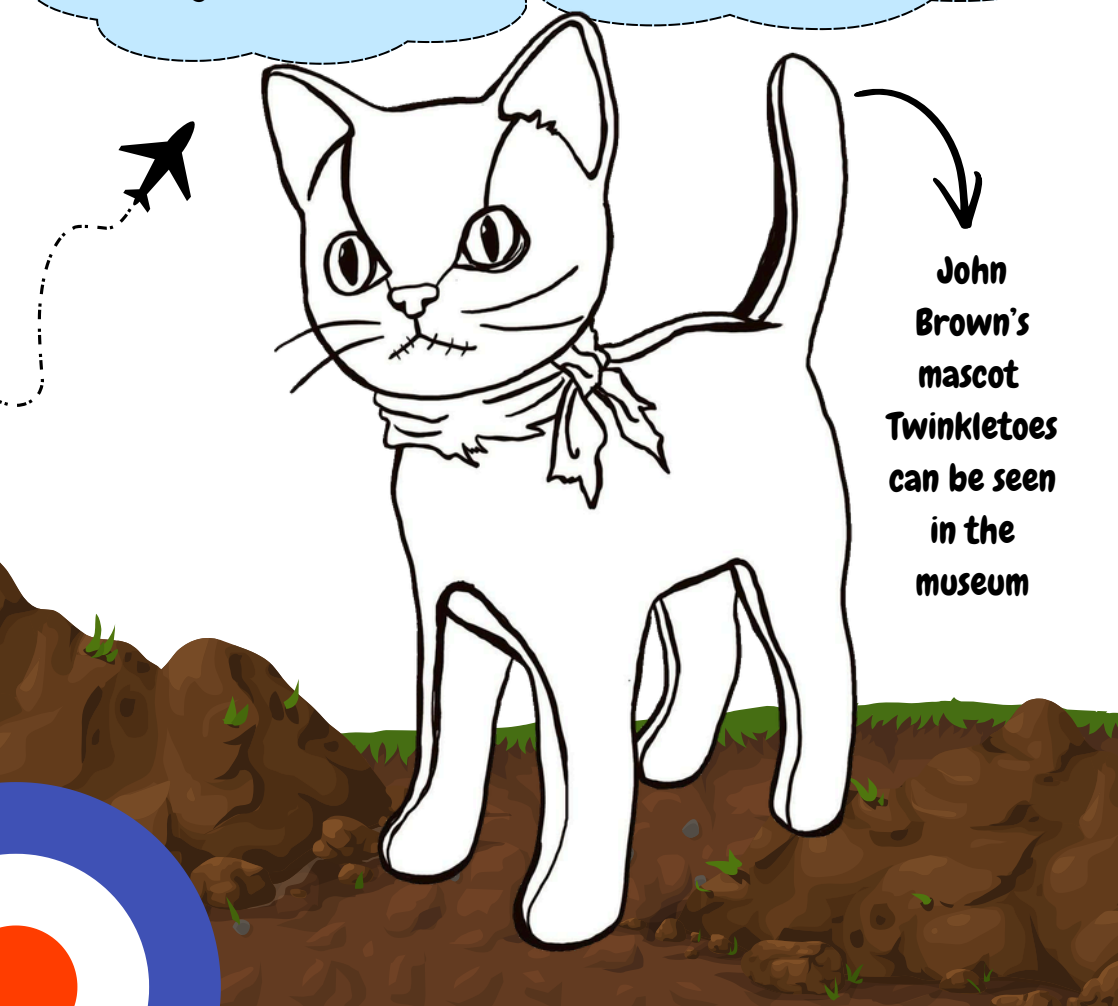
COLOUR IN TWINKLETOES

On June 14th 1919 Arthur Brown and John Alcock flew from Newfoundland to Ireland

Arthur had to climb onto their plane's wings mid-flight to scrape off ice.

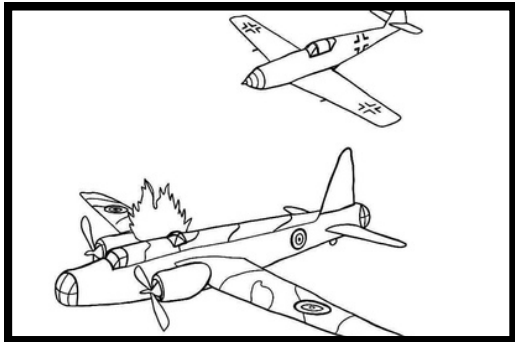
The flight took 17 hours.

When they reached Ireland they nearly crashed in a bog.



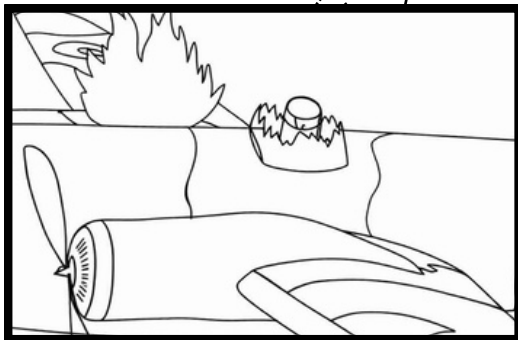
John Brown's mascot Twinkletoes can be seen in the museum

THE STORY OF SERGEANT JAMES WARD

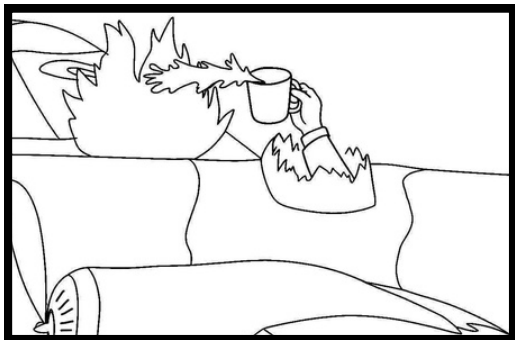


On the 7th July 1941, Sergeant James Ward was returning from his 6th mission, flying over the Dutch coast.

A German Messerschmitt BF 110 fighter plane attacked his Wellington plane, causing a fire.



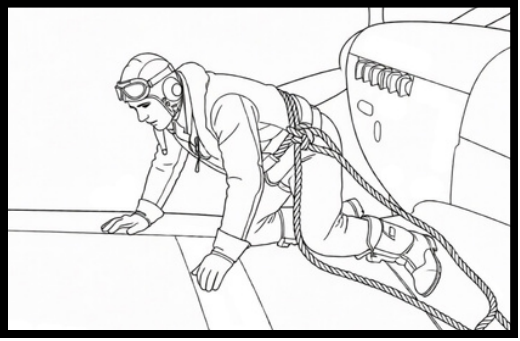
The fire broke out near the starboard side engine. The crew then forced a hole in the fuselage.



While still flying the crew used everything at their disposal to attempt to control it; trying fire extinguishers and even coffee.



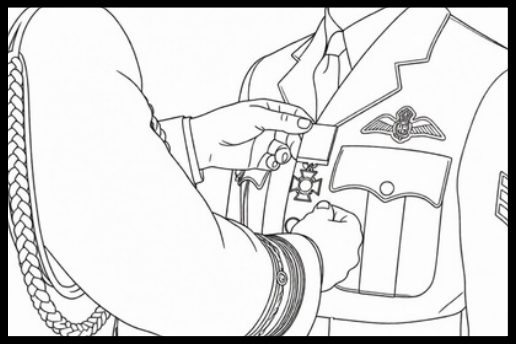
James used a rope from an aircraft dinghy, tying it around his waist to keep him safe as he climbed across the plane.



He was forced to break the plane's fabric to make handholds and footholds.



Lying on the wing, despite the slipstream, he was successfully able to smother the fire.



For his bravery James was one of three New Zealanders to be awarded the Victoria Cross.

FUN FACT

Wellingtons were easy to repair as they were only made of a lattice, linen and dope.



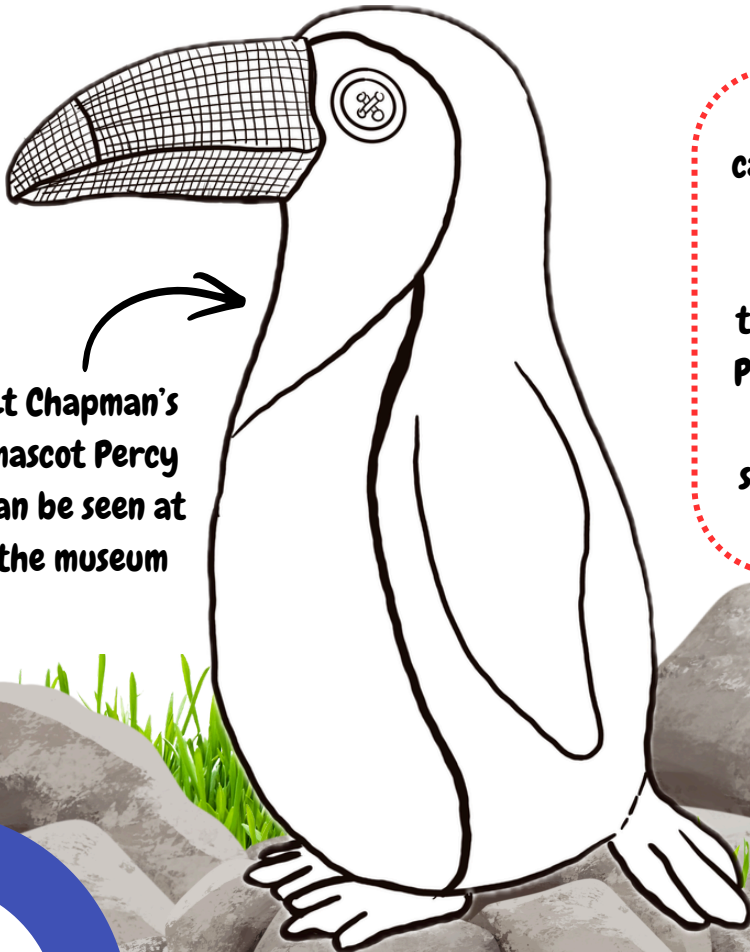
COLOUR IN PERCY

In 1944 Lt Stan Chapman was flying over Berlin when his plane was shot down.

As Stan jumped, tucked safely inside of his leather jacket was Percy.

Stan was captured as a prisoner of war, but together, he, Percy and his crewmates survived the camp.

Lt Chapman's mascot Percy can be seen at the museum



FIND THE HIDDEN WORDS

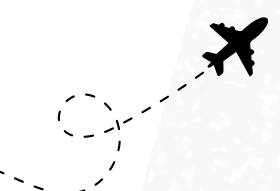
W	S	P	I	T	F	I	R	E	C	X	B	J	K
M	E	G	N	B	N	S	E	L	R	G	H	B	L
A	R	W	E	O	R	B	L	D	A	F	D	A	L
S	B	P	T	U	T	R	G	E	H	T	D	S	K
C	W	X	R	W	Z	G	R	T	K	E	F	A	M
O	A	U	A	M	I	O	N	P	M	T	C	E	E
T	X	M	X	K	P	N	R	I	Q	N	Q	M	S
H	F	B	O	L	J	I	K	P	L	K	G	L	Q
E	T	A	A	Z	V	F	R	L	R	L	Q	R	D
V	Z	N	B	S	U	O	G	N	E	Z	E	N	T
M	E	H	X	F	R	T	V	B	Q	T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

1) TWINKLETOES 2) WELLINGTON 3) AEROPLANE
4) SPITFIRE 5) MASCOT 6) MEDAL 7) PERCY 8) RAF

They can appear
backwards forwards
diagonally.

Answers on page
14

CONNECT THE DOTS



**Answers on
page 14**

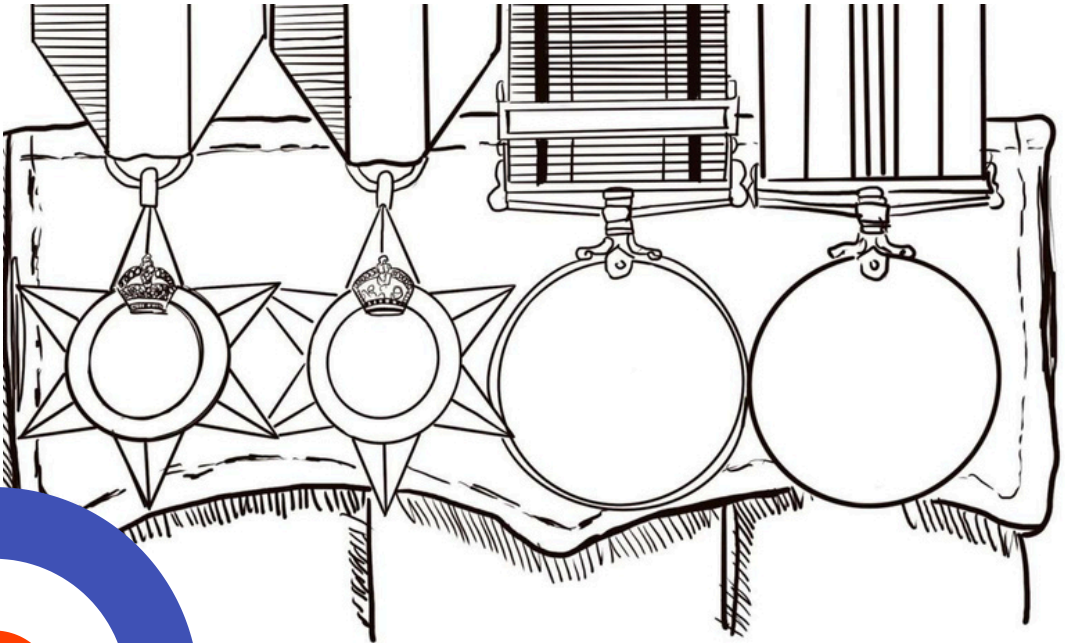
MAKE YOUR OWN MEDAL

Medals are important to showcase a person's history and sacrifices.

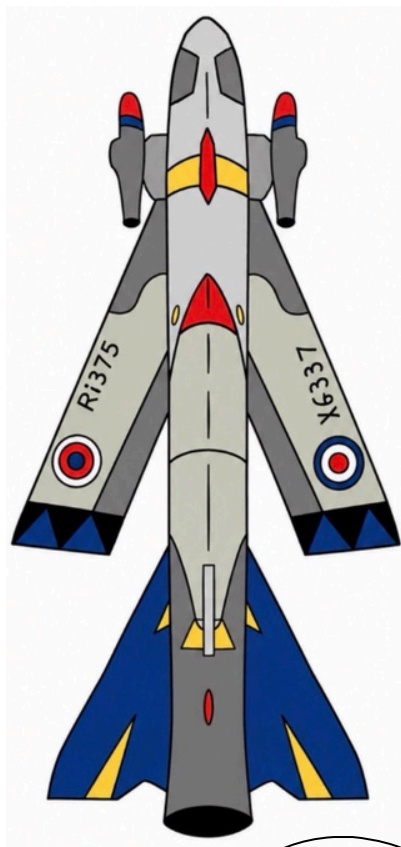
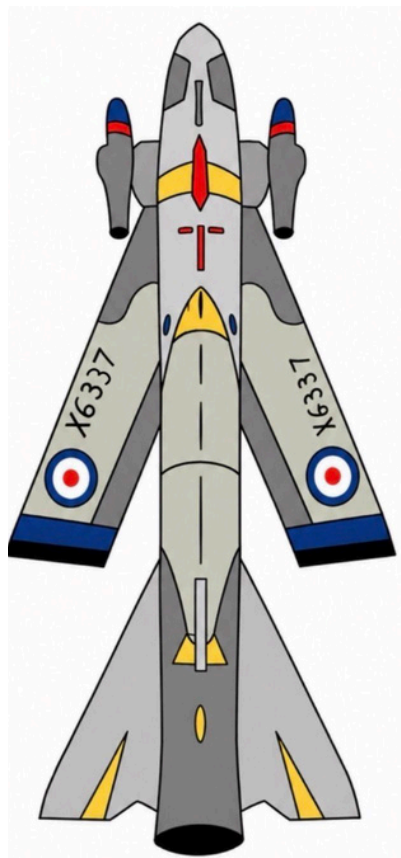


They can symbolise bravery, service and achievement.

Every colour stripe on a ribbon tells a story. What will your colours stand for?



SPOT THE DIFFERENCE



**This is the electric lightning F1/PIB.
It was known as the lightning
because it was able to perform
supersonic interceptions.**

**It was designed so that its
armaments, radar and radio
aids were integrated into its
systems.**

**Answers on
page 14**

RAF UNIFORM

This is an RAF Flight sergeant's uniform set. It would have been worn by pilots of Spitfires and Hurricanes during the Battle of Britain in 1940 and bomber crews in the early years of WW2.

Pilots wore sheep skin lined boots so they could keep warm and also blend in with civilians if they landed.

Pilots would wear a leather flying helmet with built in earphones for radio communication.

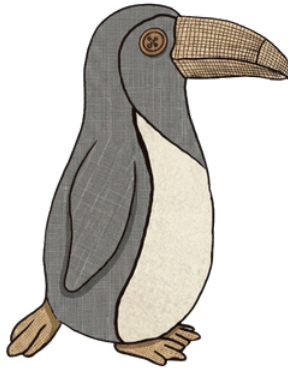
This yellow vest is a life-saving buoyancy aid that RAF aircrew nicknamed Mae West. It was used to keep pilots afloat if they had to ditch their aircraft in the sea.



DESIGN YOUR MASCOT



Scotch Jock



Percy



Twinkletoes

What would
your bravery
mission be?



TEST YOUR KNOWLEDGE

Do you know who put out the fire on the Wellington?

.....

Who is the lucky black cat who helped Brown & Alcock on their flight?

.....

Who was the girl that worked out how to put 8 guns on a Spitfire?

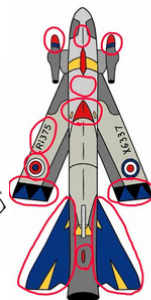
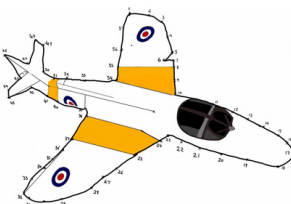
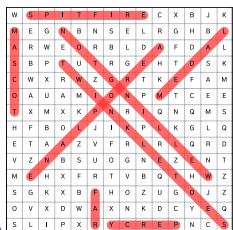
.....

To fuel a single V2 missile would take how many tonnes of potatoes?

.....



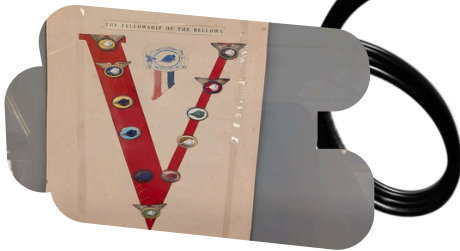
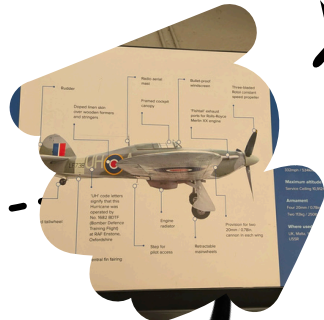
ANSWERS:



30
Hazel Hill
Tinkletoes
James Ward

EXPLORE THE MUSEUM

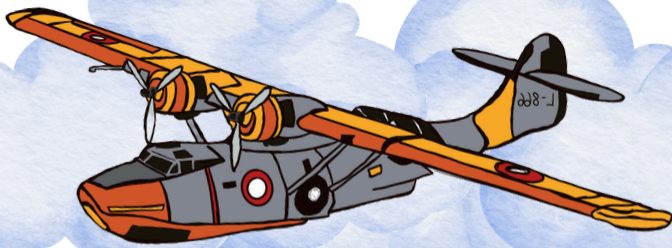
When you come to visit, see if you can spot these objects !



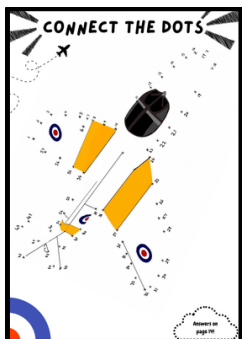
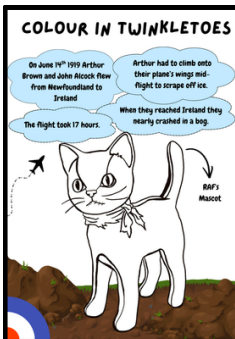
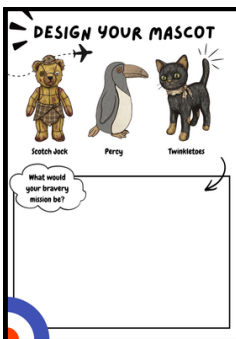
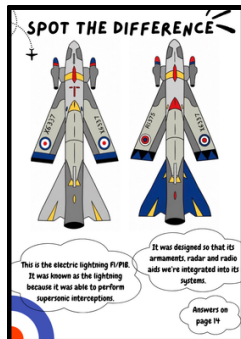
Scan me to book your trip!



Lysander Ave, Cosford, Shifnal TF11 8UP



“Hello! I’m Twinkletoes!
Come and explore amazing aircraft
with me. Solve puzzles, complete
challenges and discover the stories
behind the Royal Air Force Museum
Midlands.”



Created By Fizzah Ghani, Owen Davies, Molly Wood & Evie Bell
for the RicNic Associates Programme: www.ricnic.org.uk

