





Explore and Discover...
Growing up
Play the growing game



Learn about the human life cycle, how a new baby grows and how birds look after their young.

Galleries visited (please see accompanying map)	 Birds	 Mammals (blue whale)	 Human Biology
Suitable for	 Key Stage 1 (ages five to seven)		
Curriculum links	QCA Science Unit 1A: Ourselves QCA Science Unit 2A: Health & Growth NC Science: Life Processes & Other Animals 1b, 2f		
Example page	www.nhm.ac.uk/growingup-ks1		
Pre-visit preparation	<ul style="list-style-type: none"> • vocabulary: mammal, pouch, nest • a simple understanding that some babies grow inside their mother, yet others grow inside an egg that has been laid 		









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Activities within the guide

The children will be asked to complete four challenges:

	Challenge	Location	Description
	1. Ostrich challenge		Look at an ostrich, its egg and its chicks
	2. Nest and eggs challenge		Learn about how birds look after their eggs
	3. Star challenge pouches		Find out how marsupials look after their babies
	4. Baby inside challenge		Experience what it is like to be inside the womb and think about what a baby is like before it is born

These can be done in any order within the three galleries. Depending on how many challenges the children complete, they can reach these levels:

- researcher (two challenges completed)
- scientist (three challenges completed)
- professor (four challenges completed)

Certificates

On return to school, certificates (available at the end of this document) can be printed out and awarded, depending on the number of challenges completed.

Techniques

There are a range of techniques used within the guide. To complete the challenges, children will be required to:

- write short answers
- make sketches
- make close observations
- choose appropriate descriptive vocabulary
- discuss answers with a partner
- extract information from exhibits and their information boards

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Follow-up activities

- **Award ceremony**

Print out certificates and have an award ceremony.

- **Literacy: Speaking & Listening**

Discuss the experiences had at the Museum and the challenges that were undertaken.

- **Science**

Discover more about marsupials. Use books and the Internet to find out about how other animals look after their babies.

- **Science/Literacy**

Are there any mums who are expecting a baby or have just had one? Write some invitations asking if they will come into school to talk to the class. Then write some thank you cards following their visit.

Suggested answers for challenges:



Ostrich challenge

Question 2: Eggs.

Question 3: Yes.

Question 5: Answers will vary but may include that the baby ostriches are smaller, their feathers look different, they are fluffier and they are lighter coloured than the adult (male).

Question 6: Answers will vary, but an adult ostrich can be about 2.5 metres tall.



Nest and eggs challenge

Question 2: Birds make nests in which to lay their eggs.

Question 3: Children should ring round grass, wood, mud, leaves, wool.

Question 4: The biggest egg is as big as a football. The smallest egg is as small as a pea.

Question 5: Children should draw a tiny egg in the nest.



Star challenge pouches

The baby can be seen in the pouch of a great grey kangaroo.

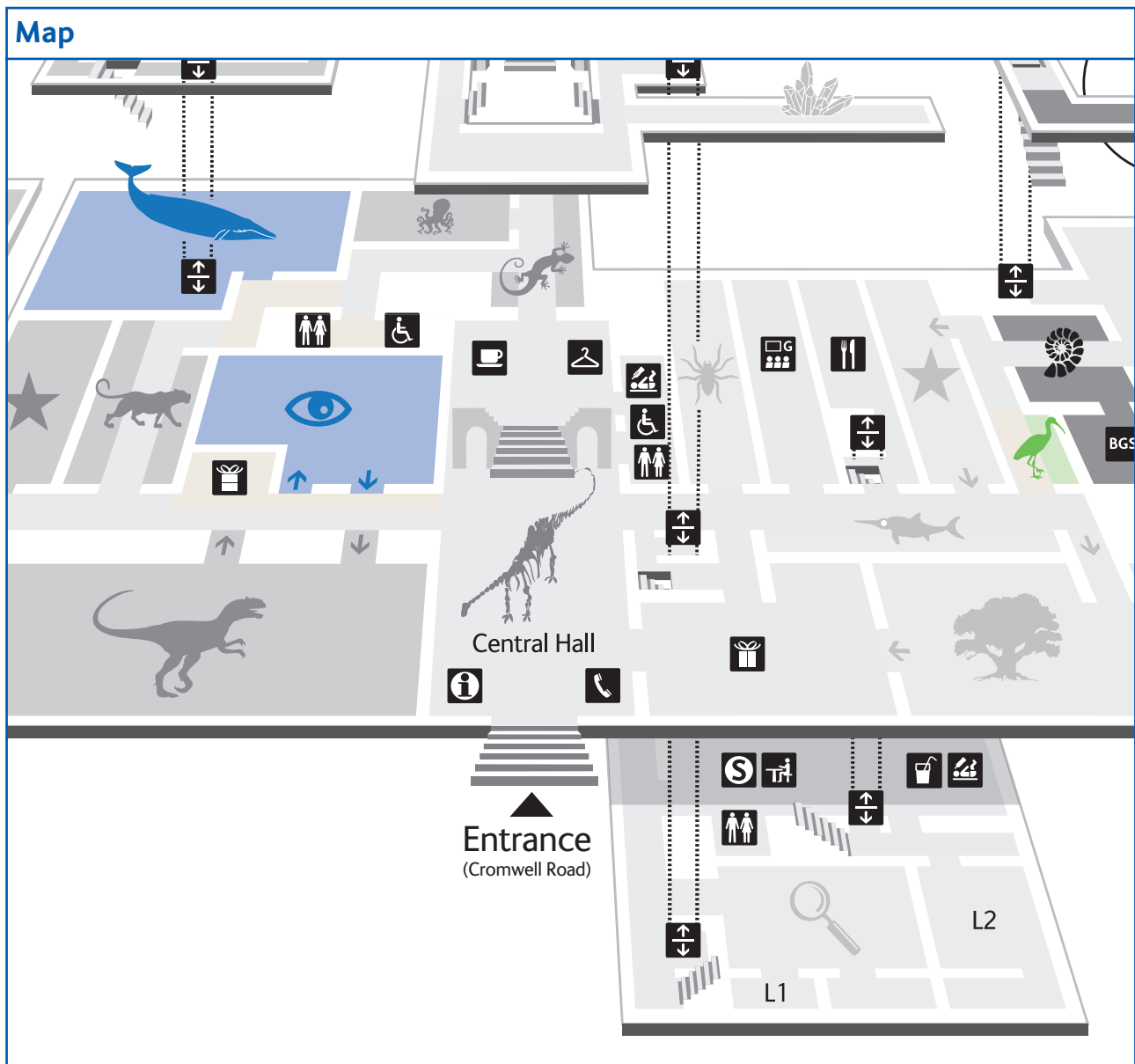


Baby inside challenge

Question 2: The noise they can hear is the heartbeat of the mother.

Question 3: Ring round fingers, ears, arms, mouth, toes and legs.
Cross out hair, clothes, hat and toys.

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A larger, full-colour version of this map showing the whole Museum is available at reception when you arrive.

Certificate

This is to certify that

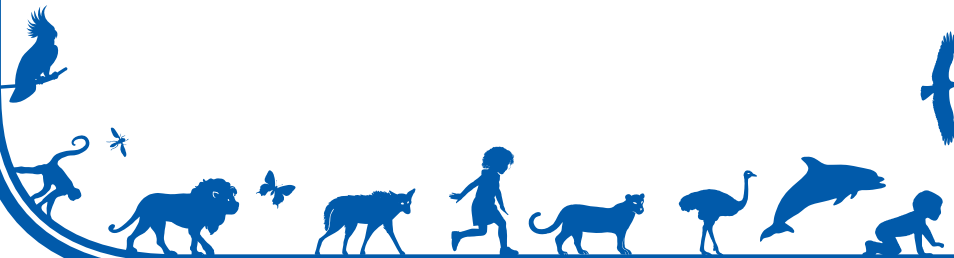
became a

researcher

in the Explore and Discover... Growing up challenge

Teacher's name

Date



Certificate

This is to certify that

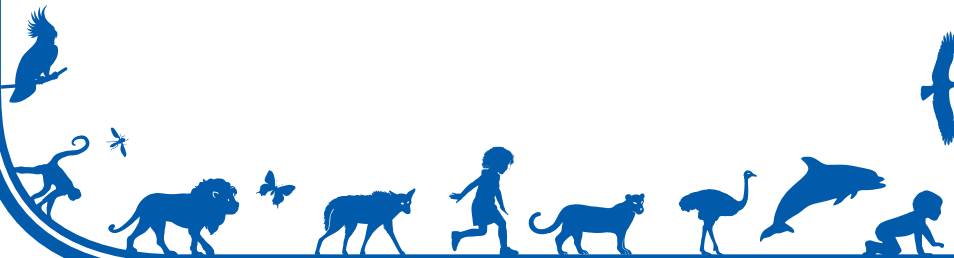
became a

scientist

in the Explore and Discover... Growing up challenge

Teacher's name

Date



Certificate

This is to certify that

became a

professor

in the Explore and Discover... Growing up challenge

Teacher's name

Date

