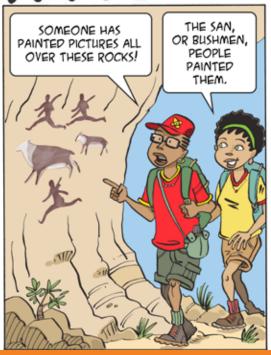
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ROCK ART



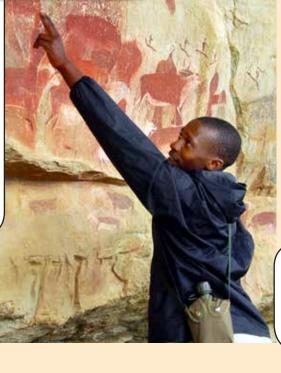


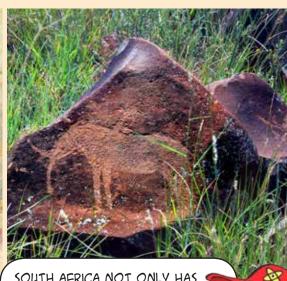


No. 42

INTRO TO SA REFERENCE







SOUTH AFRICA NOT ONLY HAS PAINTINGS, BUT IN THE INTERIOR AND DRIER REGIONS YOU CAN ALSO FIND **ENGRAVINGS**ON ROCKS.

BE A ROCK ARTIST!

BUSHMEN USED WHATEVER THEY FOUND IN NATURE TO MAKE THEIR PAINTS. THEY EXPERIMENTED WITH DIFFERENT THINGS TO FIND PAINT THAT WORKED.

WHAT PAINTS FROM NATURE CAN YOU COME UP WITH?

- HAVE A LOOK AROUND YOUR AREA FOR THINGS
 IN NATURE THAT YOU CAN USE TO MAKE
 PAINTS AND PAINT BRUSHES. FOR THE PAINTS,
 LOOK FOR THINGS LIKE:
 - COLOURED BERRIES OR LEAVES THAT CAN BE CRUSHED.
 - COLOURED ROCKS ESPECIALLY RED OR YELLOW ONES. IF THEY ARE SOFT ENOUGH THEY CAN BE SCRATCHED OR GROUND TO MAKE A POWDER.
 - CHARCOAL FROM A FIRE.
 - WHITE CLAY.



EXPERIMENT WITH THE DIFFERENT THINGS
YOU HAVE FOUND. MIX SOME TOGETHER, ADD
DIFFERENT AMOUNTS OF WATER TO SEE WHAT
PAINT YOU CAN MAKE. EGG WHITE CAN BE USED
TO MAKE DIFFERENT THICKNESSES OF PAINT.





FOR THE PAINT
BRUSHES, LOOK
FOR THINGS SUCH
AS DIFFERENT
GRASSES, TWIGS
OR FEATHERS
THAT COULD BE
USED TO MAKE
DIFFERENT
THICKNESSES OF
PAINT BRUSHES.



ONCE YOU HAVE
A COUPLE OF
DIFFERENT COLOUR
PAINTS AND SOME
PAINT BRUSHES, FIND
A PIECE OF ROCK AND
MAKE YOUR OWN
ROCK ART.



WHAT'S HAPPENING HERE?

Bushmen used various ingredients in their paints.



The yellow and red colours were mainly made from soil or rocks with iron in it.



Soil or rock pigment (colouring For paint) is called ochre.



Black paint
was made from
charcoal and
white paint from
white clay or bird
droppings.



They often used egg white to preserve the paintings.





MORE THAN JUST A PICTURE

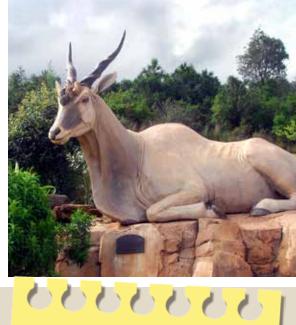
The paintings had deep **spiritual meaning** For the Bushmen, also known as the San.

Blood From the eland antelope was used in the paintings to give them spiritual power.

Game Pass Shelter at Kamberg (in the Drakensberg) is world Famous For its paintings of eland. There is one painting called the "Rosetta Stone of Rock Art" that has given scientists the key to understanding Bushman paintings.







CAREERS:

Archaeologists

study what humans did in the past. This is often done by digging up old ruins to find out how they lived, but it can also mean studying Rock Art to find out about the culture, beliefs and lives of the people who painted the pictures.

Tour guides

have learned all about the Rock Art paintings and pass that information onto the many tourists who come and view them every year. They have to be very knowledgeable about the paintings and lives of the San people to be able to answer the questions asked by the tourists.



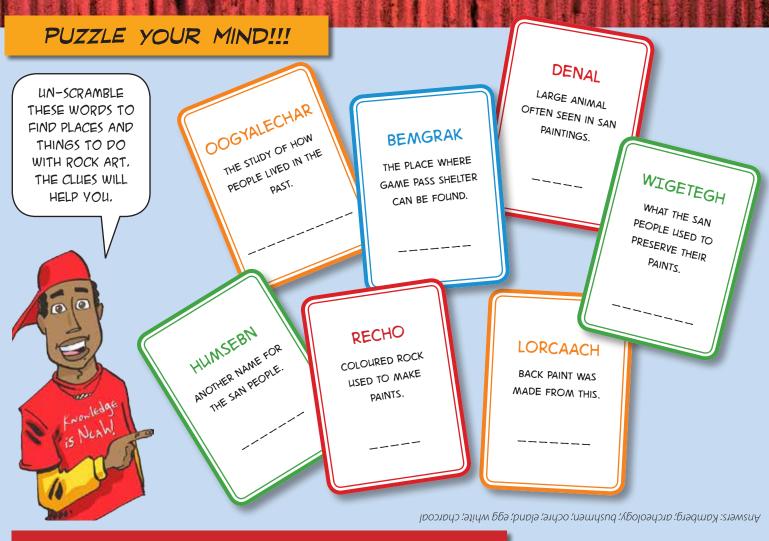
Archeologists dig for clues about our past.

Pic: commons.wikimedia.org - Muhammad Zahir

CURRICULUM

- GRADE 7: Natural Science: Matter and Materials — Properties of materials; History: Co-operation and conflict on the Frontiers of the Cape Colony in the early 19th century.
- GRADE 9: Visual Arts: observation interpretation of global visual world; Natural Science: Matter and Materials Reactions of metals with oxygen.
- GRADE 10, 11 € 12: Tourism: Tourism attractions, Culture and Heritage; Sustainable and responsible tourism





START YOUR OWN SCIENCE SPAZA

Do you want to start a science club at your school? Send us the following information, and Science Spaza will contact you.	
School:	
Name:	
Telephone number:	
Email address:	
Postal address:	

WE WANT YOUR FEEDBACK!

SEND US A PHOTO OF THE ROCK ART PAINTING THAT YOU MADE.

TELL US HOW YOU
MADE YOUR DIFFERENT
COLOUR PAINTS.



This Science Spaza resource was produced for the National Science Week celebrations of Science for Sustainable Tourism. National Science Week is an initiative of the Department of Science and Technology (DST). It is implemented by the South African Agency for Science and Technology Advancement (SAASTA), a business unit of the National Research Foundation. For more information visit www.saasta.ac.za









