

Children/Learner's Side (1)

KS2 Science - Resilient Plants

Artist: Jorgge Menna Baretto and Rashid Johnson

LB2021 Projects:

Jorgge Menna Baretto is a land artist, looking at how growing and eating can shape the landscape. Jorgge Menna Baretto has collaborated with a local artist and Liverpool john Moores University students on the design of a large mural titled *'Mauvaise Alphabet'*. This mural sits outside of the Bluecoat Gallery and has images of drawings that the students found on walks around the city. The large and bright paintings bring attention to an often overlooked but important part of nature: weeds.

Rashid Johnson has made a two headed sculpture in the style of a totem made from bronze and filled with plants called *'Stacked Heads'*. Using organic materials in his work, the plants which grow from within the sculpture – yucca and cacti – are selected for their endurance to harsh winds and salt water. The resilience of the plants and the location of the sculpture highlight present-day racial discrimination and reminds us of the atrocities of the Transatlantic Slave Trade. Canning Dock (where the sculpture stands) played an active role in this dark part of Liverpool's history.



Rashid Johnson, *Stacked Heads* (2020)



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111

Jorgge Menna Baretto, *Mauvaise Alphabet* (2020)

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Instructions:

Jorgge Menna Baretto and Rashid Johnson have both looked at the qualities of plants that have resilient features, grow in harsh conditions, are difficult to get rid of and can shape a landscape.

The artists both suggest that we can look to these plants for how they shape our environment and how they can inspire resilience in us and our communities, by them growing without want or in conditions that seem to turn them away.

- 1. Read the information about how different desert plants adapt to grow and stay protected. Illustrate the text with drawings to show your understanding.
- 2. Use the knowledge you have gained from reading about endurant plants to fill in the missing words in the diagram about how cacti survive in the desert.
- 3. Discuss the following questions with a grownup or a friend:
 - How can these resilient plants inspire us to be strong within our own lives?
 - How have you shown resilience in the past?



Jorgge Menna Baretto, *Mauvaise* Alphabet (2020)

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A Coping Cactus

How does a cactus survive and grow in harsh desert condition?

Using what you have learnt through reading the text above, fill in the missing words within the diagram using the words below.

		Word Bank	
	water	rainfall	fibrous
	animals	leaves	photosynthesis
	evaporation	roots	wide
-			
	Stem The stem creates energy for the plant through Its thick stems store	ų,	Spines A cactus' spines prevent from eating the plant. Cacti have spines instead of to reduce water loss
	<u>Roots</u> The roots of a cactus spread far and to reach water.		through
	They are close to the ground and absorb water straight after		<u>Roots</u> Cacti have long roots.