

Shaggy Beasts Lesson Plan

Topic: Animals – Their habitats & adaptations based on climate.

Aim: To introduce the learners to habitats, adaptations & climate.

Duration: 60 mins

Room: Field Based

Curriculum links: Science KS1/KS2

Timing s	Objectives/ Learning outcomes To be able to:	Resources	Teacher activities	Learner activities	Assessment
10 mins	Define habitat, adaptation, & climate	Animal Habitat board Adaptation cards Climate cards	Deliver instructions catering for all learning styles Define habitat, adaptation, climate Encourage learners to engage in a Q&A	Engage in a Q&A Match correct adaptation & climate cards to animal habitats	Q&A Initial observation assessment Supervision and questioning throughout
15 mins	Meet an alpaca. Learn about their natural habitat & adaptations Pass around a sample of their wool & describe what it feels like Discuss whether they are better suited for warm or cold climate & why Discover the importance of adaptations to climate	Zoo Team member (delivery & artifact handling) Hand washing	Supervise and evaluate learners Ensure health and safety is followed at all times and that learners are aware of codes of conduct/rules Ensure handwashing	Observations Tactile experience with artifact Meet an animal	Observation of reaction to touching a piece of alpaca wool & answers to whether the animal's coat adaptation is more suited to a warm or cold climate & why
15 mins	Meet the Shaggy Beasts (<i>Yak & Highland Cattle</i>) Learn about their natural habitat. Be able to identify what adaptations for the climate they are from. Are they better suited for warm or cold climate & why? Discuss what would happen if there were significant changes to their climate	Zoo Team member delivery Observation of animals in their enclosures	Supervise and evaluate learners Ensure health and safety is followed at all times and that learners are aware of codes of conduct/rules Encourage learners to engage in a Q&A. Demonstrate knowledge on the subject area	Observations Discuss their adaptations & what would a suitable climate be? What effects would extreme climate change have on these species?	Observation of reactions to zoo team talk, and learners observations of the animals. Q&A on what learners observe about the animals. What is in common? What is not?

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15 mins	<p>Learn to identify what climate and habitat an animal might be based on their adaptations</p> <p>Split into teams to complete a worksheet</p>	<p>Worksheet – Identify other animals from four different habitats & list what their adaptations might be, and what climate they might be suited for</p>	<p>Q&A – Identify other animals, determine their ideal habitat climate based on their adaptations</p> <p>Demonstrate knowledge on the subject area.</p>	<p>Discuss how we adapt to our environment</p> <p>Problem solving: Put on / take off coat <i>Layered clothing</i></p> <p>Engage in a Q&A</p> <p>Worksheet</p>	<p>Q&A</p> <p>Physical activity</p>
5 mins	<p>Demonstrate an understanding of animal adaptations to their habitats & climate. Touch on climate change & significance. What learners can do to help slow climate change</p>	<p>Hand out on recycling at home</p>	<p>Feedback from learners to check learning covering all learning styles</p>	<p>Ask questions to the teacher</p> <p>Show understanding of the topic</p> <p>Summarise the lesson</p>	<p>Self-assessment</p>