

Session Outline

A Level Biology - Succession

Specification links: Each Session is tailored to the exam board specifications. Please refer to the supporting document for your chosen exam board

Learning objectives	Session structure	Assessment for learning
<p>Solve problems and apply scientific knowledge to practical contexts</p> <p>Know and understand how to use a wide range of experimental and practical techniques to investigate variation, populations and communities.</p> <p>Collect data to quantify the impact of human activities on the ecology of our reserves</p>	<p>Succession</p> <p>Students are introduced to the concept of succession using the inspirational settings of an RSPB nature reserve.</p> <p>Using appropriate sampling techniques such as quadrats along a belt transect, students will collect firsthand data to observe the change from pioneer species towards climax communities</p> <p>Management of succession is an important aspect of conservation. RSPB nature reserves provide the perfect opportunity to investigate how and why this is the case with real world experience of how ecosystems are maintained and how they dynamically change over time under the influence of abiotic and biotic factors</p> <p>By collecting this data students will have the opportunity to consider how we work locally and globally to manage succession to provide a balance between human and conservational needs.</p>	<p>RSPB Learning staff will use a variety of teacher and student led individual and group activities throughout the session to assess for learning.</p>
Before your visit	After your visit	
<p>Students will benefit from a prior knowledge of the concept of succession.</p>	<p>The data collected can be used in mathematical analysis, such as Spearman's Rank Coefficient of Correlation</p>	<p>Succession, pioneer species, climax community, management, sampling techniques</p>