

CHESHIRE WILDLIFE TRUST LESSON PLAN



<p>Title: Incredible Invertebrates – Grassland and Freshwater Habitats</p>	<p>Subjects: Art, citizenship and science</p>
<p>Key Stage: 1 Year Group: Any Number: Contact us to discuss</p>	<p>Programme of study: KS1: Art - Unit 1B Investigating Materials, 2B Mother Nature. Citizenship - 03 Animals & Us. Science - 2B Plants & Animals in the Local Environment.</p>
<p>Location: Bickley Hall Farm, schools, countryside sites around Cheshire (see map on website and leaflet)</p>	<p>Duration: ½ day</p>
<p>School: A primary school</p>	<p>Date: To arrange</p>
<p>Lesson objectives: <i>To introduce KS1 children to understanding and exploring different habitats and species.</i></p>	
<p>Learning Outcomes:</p> <ul style="list-style-type: none"> • <i>To learn about grassland habitats and associated species</i> • <i>To learn about freshwater habitats and associated species</i> • <i>To learn how to find and collect freshwater and grassland species</i> • <i>To learn how to identify different freshwater and grassland species.</i> 	
<p>Vocabulary: Words to explain: <i>invertebrates, habitat, species, technical names (e.g. nymph, larvae), names of species (e.g. dragonfly, ladybird, beetle).</i></p>	
<p>Resources: <i>To be provided by the Cheshire Wildlife Trust</i></p>	
<p>Activities: Starter: 5 minutes: Create a Minibeast <i>Children to choose a minibeast and then move their body like it does (drama).</i></p>	

Main:

Task 1) 20 minutes: **Springtime/Summertime Bingo**

Explore the local area and try to find the different species on the Bingo sheet.

Task 2) 30 minutes: **Minibeast Hunting (grassland)**

Learn how to find and collect minibeasts in the grassland using sweep nets and trays. Use worksheet - 'I spy Minibeasts'. At the end – 'Minibeast Hop' game where 3 children are joined together around the waist and then move like a minibeast – race (which technique is best and why?).

Task 3) 30 minutes: **Pond/Stream Dipping**

Discover what invertebrates live in a pond/stream by dipping with pond nets, and identifying and observing the collected species in a tray.

BREAK & PLAY

Task 4) 40 minutes: **Artwork - Make a Minibeast Crown**

Task 5) 10 minutes: **Camouflage Game**

Understand the concept of camouflage by trying to find different coloured wool. Are the children able to find the camouflaged wool?

Plenary: 5 minutes: **Giant Caterpillar**

Children stand in a line and each child puts their hands on the shoulders of the child in front and closes their eyes. The teacher then leads the child at the front and the line has to move like a caterpillar and stay connected.

Differentiation:

Ensure that a teacher/assistant works with children who need more support. Put children of different abilities in the same group.

Assessment Opportunities and Follow-up Work:

- Learn more about the minibeasts that the children discovered – e.g. the lifecycle of a dragonfly.
- Design your own minibeast – and each child to explain why their minibeast is best adapted to the habitat it lives in, e.g. camouflaged, large eyes.

<p>Title: Incredible Invertebrates – Grassland and Freshwater Habitats</p>	<p>Subjects: Art, citizenship and science</p>
<p>Key Stage: 2 Year Group: Any Number: Contact us to discuss</p>	<p>Programme of study: KS1: Art - 6C A sense of place. Citizenship - 03 Animals & Us. Literacy: Non-fiction Unit 3 – Explanation. Science - 4B Habitats, 5B Lifecycles.</p>
<p>Location: Bickley Hall Farm, schools, countryside sites around Cheshire (see map on website and leaflet)</p>	<p>Duration: ½ day</p>
<p>School: A primary school</p>	<p>Date: To arrange</p>
<p>Lesson objectives: <i>To introduce KS2 children to understanding and exploring different habitats and species.</i></p>	
<p>Learning Outcomes:</p> <ul style="list-style-type: none"> • <i>To learn about grassland habitats and associated species</i> • <i>To learn about freshwater habitats and associated species</i> • <i>To learn how to find and collect freshwater and grassland species</i> • <i>To learn how to identify different freshwater and grassland species.</i> 	
<p>Vocabulary: Words to explain: <i>invertebrates, habitat, species, technical names (e.g. nymph, larvae), names of species (e.g. dragonfly, ladybird, beetle).</i></p>	
<p>Resources: <i>To be provided by the Cheshire Wildlife Trust</i></p>	
<p>Activities: Starter: 10 minutes: Create a Minibeast <i>Children to choose a minibeast or an imaginary one and then move their body like it does (drama). Explain why it moves like that – choose 3 words that describe it.</i></p>	

Main:

Task 1) 20 minutes: **Springtime/Summertime Bingo**

Explore the local area and try to find the different species on the Bingo sheet.

Task 2) 30 minutes: **Minibeast Hunting (grassland)**

Learn how to find and collect minibeasts in the grassland using sweep nets and trays. Use an ID sheet to identify collected species. Also use worksheets - 'I spy Minibeasts' and 'Investigate a Grassland Minibeast'. At the end - 'Minibeast Hop' game where 3 children are joined together around the waist and then move like a minibeast - race (which technique is best and why?).

Task 3) 30 minutes: **Pond/Stream Dipping**

Discover what invertebrates live in a pond/stream by dipping with pond nets, and identifying and surveying the collected species in a tray. Fill in the 'Freshwater Recording Sheet' and 'What's in Your Net' or 'Who is my Mum' worksheets. Also work out how clean is the pond/stream using the 'How Clean is the Pond' sheet.

BREAK & PLAY

Task 4) 10 minutes: **PowerPoint Presentation about the Lifecycle of a Dragonfly**

Task 5) 30 minutes: **Artwork - Make a Dragonfly**

Task 6) 10 minutes: **Camouflage Game**

Understand the concept of camouflage by trying to find different coloured wool. Are the children able to find the camouflaged wool?

Plenary: 5 minutes: **Giant Caterpillar**

Differentiation:

Ensure that a teacher/assistant works with children who need more support. Put children of different abilities in the same group.

Assessment Opportunities and Follow-up Work:

- Learn more about the lifecycle of a dragonfly and other minibeasts
- Design your own minibeast - and each child to explain why their minibeast is best adapted to the habitat it lives in, e.g. camouflaged, large eyes.