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Module 11: Bird Migration

Urban EcoLab

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## Lesson Adaptations & Extensions

Center for Urban Resilience

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## Lesson Adaptations and Extensions

<b><u>English Language Learners (ELL)</u></b>	<b><u>Special Education Learners (SPED)</u></b>	<b><u>Optional / Extension Research Topics</u></b> <i>Explore, Research, Investigate, Examine ...</i>
<ul style="list-style-type: none"> <li>• pictures / visuals</li> </ul>	<ul style="list-style-type: none"> <li>• pictures / visuals</li> </ul>	<ul style="list-style-type: none"> <li>• ... the effects of urban artificial lighting on bird physiology and behavior (like grooming, eating, migration ...)</li> </ul>
<ul style="list-style-type: none"> <li>• realia, 3D objects</li> </ul>	<ul style="list-style-type: none"> <li>• realia, 3D objects</li> </ul>	<ul style="list-style-type: none"> <li>• ... the impact of habitat loss and fragmentation on migratory birds</li> </ul>
<ul style="list-style-type: none"> <li>• key vocab cards (dual language) with pics</li> </ul>	<ul style="list-style-type: none"> <li>• key vocab cards with pics</li> </ul>	<ul style="list-style-type: none"> <li>• ... the local area to determine bird-friendly habitats that are friendly to bird migrants</li> </ul>
<ul style="list-style-type: none"> <li>• PowerPoint slides – outline form / fill-in-the-blank (dual language)</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint slides – outline form / fill-in-the-blank</li> </ul>	<ul style="list-style-type: none"> <li>• ... the impact of climate change on migratory birds</li> </ul>
<ul style="list-style-type: none"> <li>• exemplars (samples)</li> </ul>	<ul style="list-style-type: none"> <li>• exemplars (samples)</li> </ul>	<ul style="list-style-type: none"> <li>• ... the changes in bird migration statistics over time (local, regional, global)</li> </ul>
<ul style="list-style-type: none"> <li>• partner work</li> </ul>	<ul style="list-style-type: none"> <li>• partner work</li> </ul>	<ul style="list-style-type: none"> <li>• ... the current technologies that are being utilized to track bird migration data</li> </ul>
<ul style="list-style-type: none"> <li>• small group work</li> </ul>	<ul style="list-style-type: none"> <li>• small group work</li> </ul>	<ul style="list-style-type: none"> <li>• ... the threats (natural and anthropogenic) to migratory birds (local, regional, global)</li> </ul>
<ul style="list-style-type: none"> <li>• assigned roles</li> </ul>	<ul style="list-style-type: none"> <li>• assigned roles</li> </ul>	<ul style="list-style-type: none"> <li>• ... the impact of human food subsidies on the timing of birds' migration (temporal impact)</li> </ul>
<ul style="list-style-type: none"> <li>• iPad speech-to-text translation (dual language)</li> </ul>	<ul style="list-style-type: none"> <li>• repeat directions</li> </ul>	<ul style="list-style-type: none"> <li>• ... the various migration flyways (western/Pacific; eastern/Atlantic ...) and identify challenges faced by birds using these flyways</li> </ul>
<ul style="list-style-type: none"> <li>• iPad or laptop with translation site access</li> </ul>	<ul style="list-style-type: none"> <li>• clarify, check for understanding</li> </ul>	<ul style="list-style-type: none"> <li>• ... bird population declines including possible causes and potential solutions</li> </ul>
<ul style="list-style-type: none"> <li>• repeat directions</li> </ul>	<ul style="list-style-type: none"> <li>• wait time</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• clarify, check for understanding</li> </ul>	<ul style="list-style-type: none"> <li>• sentence frames</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• wait time</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• sentence frames</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>