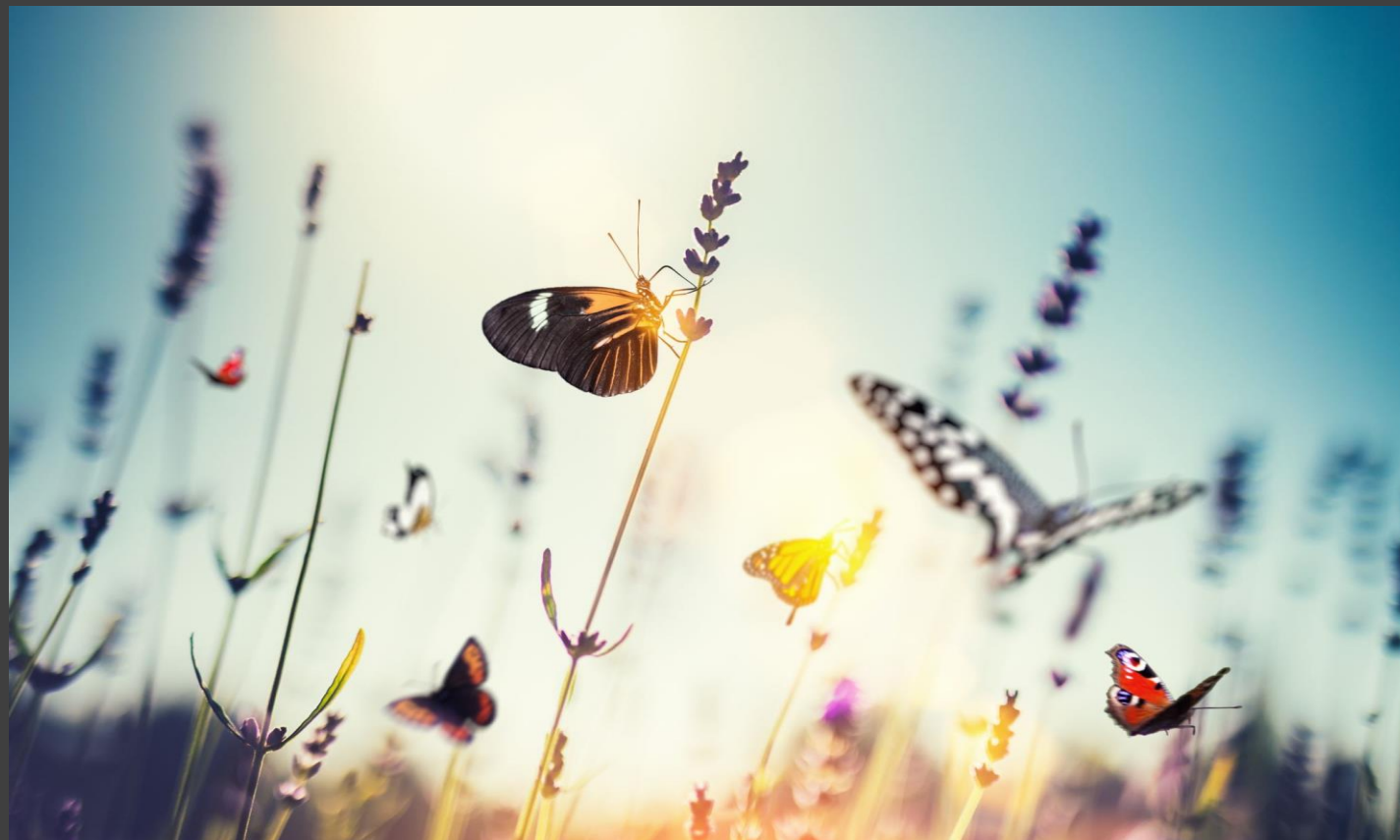




Biodiversity Activities by
Subject

Secondary Schools

Involve as many students as possible in the Biodiversity theme by trying some of these subject specific activities. Follow the underlined links to the relevant resource.

Investigating Biodiversity on School Grounds

Class	Activity	Resource	Curriculum Links
JC Science/ LC Biology	Calculate species richness in grass	Online Guide	JC Key Skills: Being numerate, working with others. SC: Information Processing, Critical and Creative Thinking. JC Science: Conduct a Habitat Study. SC Biology: Study of an Ecosystem
JC Geography	Soil Investigation	OPAL Survey Guide	Key Skills: Managing Information and Thinking, Being numerate, Staying Well. JC Geography: Exploring the Physical World- Processes, patterns, systems and scale
LC/TY Biology	Calculate how much carbon is stored by trees	LEAF Resource and Demonstration Video	LC Key Skills: Critical and Creative Thinking, Information Processing, Working with Others Biology: Ecology, Habitats, Carbon Cycle
TY/JC Science	Bird Watching	Birdwatch Ireland Survey	Key Skills: Managing Information and Thinking, Staying Well, Working with Others Science: Biological World, Systems and interactions
TY/LC Biology	Plant health Survey	OPAL Survey Guide	LC Key Skills: Critical and Creative Thinking, Information Processing, Working with Others Biology: Ecology, Habitats, Human impact on an Ecosystem
Transition Year/Biology	Citizen Science Project	Backyard Biodiversity Survey FIT Survey	LC Key Skills: Critical and Creative Thinking, Information Processing, Communicating Biology: Ecology, Habitats, Human impact on an Ecosystem, Niches
JC Geography	Habitat Map	LEAF Resource	JC Key Skills: Being creative, Managing information and thinking, staying well, working with others. JC Geography: Geographical skills- mapping, data analysis

Increasing Biodiversity on School Grounds

Subject	Activity	Resource	Curriculum Links
Wood Technology	Bug Hotel	Green Schools Video	Key Skills: Being creative, Working with Others, Communicating Wood Technology: Design Thinking, Creating, Wood Science and Materials
Wood Technology	Bird/Bat Boxes	Bat box guide	Key Skills: Being creative, Managing Myself, Managing Myself Wood Technology: Design Thinking, creating, planning and managing.
Home Economics/SPHE	Herb Garden	Online resource	Key Skills: Contributing to making the world a better place, Being healthy and physically active Home Economics: Sustainable and Responsible Living, Culinary Skills
Transition Year/SPHE	Make a pond	Online resource	Key Skills: Being creative, Working with Others, Communicating, Staying Well Science: Ecology, Biological World, Sustainability
TY/ JC Science	Make seed bombs	Online resource	Key Skills: Staying Well, Being Creative, Contributing to making the world a better place Science: Ecology, Sustainability, Biological World
Transition Year	Pollinator Project	School Pollinator Plan	Key Skills: Staying Well; Being Creative; Communicating, Working with others; Managing information and thinking.
SPHE/ JC Science	Tree Planting	LEAF Resources	Key Skills: Staying Well, Being healthy and physically active, Contributing to making the world a better place. Science: Ecology, Biological World, Sustainability

Increasing Biodiversity Awareness

Class	Activity	Resource	Curriculum Links
SPHE/TY	Carry out Awareness Surveys	GS Resource	JC Key Skills: Being Literate, Being Numerate, Communicating, Managing Information and Thinking SPHE: Students gather information through questionnaires, surveys and personal records and present their findings in graphic form to different audiences.
Art	Create outdoor signage to draw attention to any wildlife areas, species of trees etc.	Examples	JC Key Skills: Being Creative, Communicating, Being Literate. LC Key Skills: Communicating, Critical and Creative Thinking.
TY	Create a virtual GS Noticeboard	Miro / Padlet	Key Skills: Being Literate, Communicating, Working with Others, Being Creative, Managing Information and Thinking, Being Personally Effective
English	Host a debate on a Biodiversity topic.		Key Skills: Being Literate, Communicating, Working with Others, Being Creative, Managing Information and Thinking. English: Discussing and Debating, Learning through Oral Language
JC History/ CSPE	Research a forest in your community and investigate how it has changed over time	LEAF Resource	Key Skills: Being Literate, Communicating, Working with Others, Managing Information and Thinking. History: Listening and expressing myself, using ICT to access content. CSPE: Environmental awareness
Transition Year	Make a video/podcast/website documenting your work	Guide to podcasts	Key Skills: Being Literate, Communicating, Working with Others, Being Creative, Managing Information and Thinking, Being Personally Effective
English/Irish /French etc	Create a Green Code or Biodiversity Charter for school in different languages	Biodiversity Handbook	Key Skills: Being Literate, Communicating, Working with Others, Being Creative