Green Foundation Ireland

Education Module for Transition Year Students

Biodiversity

Work Sheets

January 2026

INTRODUCTION

This document contains the Work Sheets for the Green Foundation Ireland's Transition Year Module on Biodiversity, to be used in conjunction with the Teacher's Resource document and Lesson Plan. This document contains Work Sheets intended for use by the students on a weekly basis.

These Work Sheets are largely used as a "rough work" space for organising thoughts and performing calculations to facilitate class discussion, and do not necessarily need correcting by an educator. It is however, at the discretion of the educator if they wish to review the students written work, but a correction plan is not provided or needed.

SESSION 1: Work Sheet

In the space provided, write a description of a biodiversity hotspot, including information on:

- Location.
- Factors that make this a biodiversity hotspot.
- Unique species that inhabit it.
- Threats facing this hotspot.
- Protections/conservation plans in place.

SESSION 2: Work Sheet

In the space provided, list species discovered in your examination of a local unmanaged site.

Use the following space for calculating alpha, beta and gamma diversity, or for listing species discovered in your examination of a local water system.

SESSION 3: Work Sheet

In the space provided, detail your feelings on anthropocentric versus ecocentric viewpoints.

In the space provided, describe the ecosystem services provided by a natural area of your choice and how those services are performed.

SESSION 4: Work Sheet

In the space provided, describe the negative impacts of a threat to biodiversity, as well as some of the different causes of that threat.

In the space provided, list the factors that may cause a species to become invasive, and describe how those factors assist the species.

SESSION 5: Work Sheet

In the space provided, detail the following for an Environmental Impact Assessment:

- Potential short-term and long-term impacts on environment and species.
- Potential mitigation measures to reduce negative impacts.
- Potential impact on human culture and well-being.
- Alterations to proposal to reduce environmental impact.

SESSION 6: Work Sheet

In the space provided, detail the following for a project plan:

- What is the end goal of this project?
- Necessary stakeholders or professionals.
- Projected budget.
- Projected timeframe.
- How to measure the success of this project.
- Potential challenges to this project.

About Green Foundation Ireland

Green Foundation Ireland aims, through education, to inspire the public to work towards a sustainable society for Ireland.

Green Foundation Ireland (GFI) is an independent registered charity which promotes education for sustainability in Ireland. It is affiliated to the Green European Foundation (GEF).

GFI aims, through education, to create public support for a sustainable society and economy in Ireland and elsewhere. We aim to engage with both the arts and sciences to create a new environmental narrative that promotes action to conserve and protect life on earth.

For more information about what Green Foundation Ireland does, or if you would like to contribute to our work in any way, please contact us at:

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