

CLIMATE PROJECT - PLANNING SHEET

Title: Understand Your Ecological Footprint

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Age: 15-18

Content:

Students explore the concept of an "ecological footprint" using a footprint calculator to understand how their habits impact the planet. They analyze their results and discuss changes they can make to reduce their impact.

The ecological footprint shows how much we use nature's resources and produce waste, which affects the climate by increasing carbon emissions and reducing natural areas that absorb CO₂.

Development goals:

- Self-competence: Encourage reflection on personal impact and ecological responsibility.
- Factual-competence: Understand the concept of ecological footprint.
- Social skills: Collaborate to discuss sustainable solutions.
- Methodological-competence: Apply scientific methodology by analyzing personal data and comparing it within the group.

Planning:

- Introduction to footprint concept (15 min).
- Footprint calculation (30 min) using digital devices.
- Discussion on results and possible improvement actions (1 hour).

Resources:

- Informational sources on footprint
- Computers or other devices to access the footprint calculator online
- Summary sheets with practical suggestions for footprint reduction

Feedback:

Positive: Students showed curiosity and reflection on how their daily habits affect the planet.
Suggestion: Some students struggled to understand biocapacity; visual examples might help.
Future focus: Provide summary cards with practical footprint-reduction tips to discuss as a group after calculations.