



Activities for primary schools



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1. Introduction

According to Global Footprint Network calculations, we would need 1.5 planets this year (2020) to meet our demand for natural resources. It seems logical that this cannot work in the long term. Permanent damage to the environment, the climate and humanity can only be avoided if we act together as a society.

It is essential to make children aware that using resources in a sustainable way is most important and to encourage them to take positive action. Education is a central factor here as it can foster a change of mentality.

The **SuperDrecksKëscht®** is an action of the Ministry of Environment, Climate and Sustainable Development with the Chambre de Commerce and the Chambre des Métiers, which aims to promote the sustainable use of natural resources.

In this sense, the **SDK Akademie** was created as part of the **SuperDrecksKëscht®**'s tasks. The **SDK Akademie**'s mission is to promote sustainable action in general and to make it accessible through future-oriented education. The **SDK Akademie** wants to support the various educational actors in teaching pupils their responsibility as adults and decision-makers of the future.

We are thus pleased to present the **SDK Akademie**'s activities for primary schools and hope that our offer catches your attention.

If you have any questions, please do not hesitate to contact us. You can reach us at the e-mail address **akademie@sdk.lu** and at the telephone number **+352 488 216 400**.

Your SDK Akademie Team



2. Overview of activities

The activities in this overview have been specifically designed for elementary schools by the SDK Akademie. Various principles have been taken into account to ensure that these activities fit well into the daily school life and have a sustainable effect:

- The activities have been developed for each cycle and are thus adapted to the different age groups;
- The activities foster skill-based learning;
- The activities for elementary schools are complementary to the ones designed for the Maison Relais.

There is a guiding question for each age group:

- Cycle 1: **How** do I properly sort waste products?
- Cycle 2: **What** else can be made from secondary raw materials?
- Cycle 3: **Why** is recycling important?
- Cycle 4: **How** can I preserve resources in everyday life?

The activities in the various cycles build upon each other, but they also work independently.

The activities can be carried out in Luxembourgish, German, French and English.

In addition, educational handouts are provided to the teaching staff for the preparation and follow-up of the activities.



2.1 The waste monster

Target group:	Cycle 1 (4-6 years)
Participants:	Maximum 20 pupils
Duration:	1.5 lessons

Objectives:

The pupils:

- learn how to sort different types of recyclable materials.
- know tips on how to prevent waste in their everyday life (with regard to their break time snacks).

Short description:

In this activity, the story of the waste monster will be read to the pupils. Throughout the story, pupils get to know different characters, which stand for different waste groups. In line with the activity, the characters will be integrated into the everyday school life and will thus help pupils to sort their waste properly. They will also learn some tips on how to avoid waste.



2.2 The great treasure hunt

Target group:	Cycle 2 (6-8 years)
Participants:	Maximum 20 pupils
Duration:	1.5 lessons

Objectives:

The pupils:

- become aware that waste is actually a “treasure” that still contains valuable resources.
- learn that natural resources are limited.
- know how to sort their waste products properly in order to return the resources to the cycle.

Short description:

In this activity, the SDK employee is accompanied by Billy the dwarf. Billy can make many new objects from old products. To do this, he needs the materials from his treasure chest - but unfortunately it is locked! In the course of the activity, the pupils will solve a few riddles about the meaning of recycling and thus help Billy to get to his waste treasures.

In addition, the pupils learn where our waste products belong and what else can be made from them.

2.3 The cycle of reusable materials vs. the natural cycle

Target group:	Cycle 3 (8-10 years)
Participants:	Maximum 20 pupils
Duration:	1 x 2 lessons

Objectives:

The pupils:

- understand that recycling contributes to the preservation of natural resources.
- understand how they can contribute to the recycling cycle by sorting waste properly.
- realise that new material can be produced from used material.

Short description:

In this activity, the pupils will discover in a playful way the natural cycle of leaves in the forest. The natural cycle will be compared to the cycle of our waste products. The pupils will realise that there is no waste in nature and that our recycling cycles can be modelled on nature.

Finally, proper waste sorting will be discussed.



2.4 24 hours of waste

Target group:	Cycle 4 (10-12 years)
Participants:	Maximum 20 pupils
Duration:	1 x 2 lessons

Objectives:

The pupils:

- become aware of the resources they use on a daily basis.
- know that the reusable materials in waste products can be recovered through proper waste sorting.
- know how to prevent waste in their daily life.

Short description:

In this activity, pupils will have a closer look at the waste they produce during the day. With the help of fictitious characters, they will then look at different types and amounts of waste. They will compare different habits and realise that the use of resources highly depends on one's way of life.

This activity focuses on the preservation of resources through the proper disposal of waste products and targeted waste prevention.

2.5 Circular Lab

Target group:	Cycle 4 (10-12 years)
Participants:	Maximum 20 pupils
Duration:	1 x 2 lessons

Objectives:

The pupils will:

- develop an understanding of resource cycles and the principles of the circular economy.
- recognise the links between consumption, waste and sustainable resource management.
- build on knowledge they have already acquired through previous activities or from the educational resource kits.
- be encouraged to act in a more conscious and resource-efficient manner in their everyday lives.

Short description:

In the Circular Lab, pupils are introduced to the world of the circular economy in a playful way. Through interactive experiments and digital discovery journeys, they experience first-hand how resources can be used, recycled and managed within cycles.

The activity builds on content already covered and can therefore only be carried out following the use of a resource kit or a previous activity. This helps to consolidate and expand on existing knowledge.

In the process, pupils explore the links between consumption and waste and learn about sustainable solutions. Teachers are also provided with educational materials for preparation and follow-up. The Circular Lab is flexible and can be carried out directly at school.

Circular Lab

Tauchen Sie mit Ihren Schülern in die Welt der Ressourcenkreisläufe und der Kreislaufwirtschaft ein mit dem **Circular Lab**. Mit interaktiven Experimenten und spannenden Aktivitäten führen wir die Schüler spielerisch an die Themen rund um die Circular Economy heran.

Unsere Highlights:

1. **Interaktive Experimente:** Lassen Sie Ihre Schüler*innen durch praktische Experimente die Prinzipien der Kreislaufwirtschaft hautnah erleben.
2. **Digitale Entdeckungsreisen:** Mit innovativen digitalen Tools erkunden wir gemeinsam die Zusammenhänge zwischen Konsum, Abfall und nachhaltigem Ressourcenmanagement.
3. **Pädagogisches Material:** Lehrkräfte erhalten im Vorfeld umfangreiches pädagogisches Material, um ihre Schüler*innen optimal auf die Aktivitäten vorzubereiten und das Gelernte zu vertiefen.
4. **Flexibilität:** Das **Circular Lab** kommt auf Anfrage zu euch in die Schule!

Sind Sie bereit für die Entdeckungsreise mit dem **Circular Lab**?

Kontaktieren Sie uns noch heute, um das **Circular Lab** zu buchen und Ihre Schüler*innen für eine nachhaltige Zukunft zu inspirieren!



SDK Akademie
SuperDrecksKëscht®



SDK Akademie
Zone Industrielle Piret
L-7737 Colmar-Berg

Tel.: +352 488 216 400
E-Mail: akademie@sdk.lu



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Environnement, du Climat
et du Développement durable



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