



"Dieses Foto" von Unbekannter Autor ist lizenziert gemäß [CC BY](#)



How can we avoid plastic waste at school?



Gefördert durch



Erasmus+
Schulbildung

Protect the environment by
coating with beeswax!

Are **beeswax food wraps** a
sustainable alternative for plastic
packaging of break bread and Co. ?





Workshop:

**Coat with
beeswax
for sustainable
environmental
protection**

Contents:

- 1. Bees**
- 2. Beeswax**
- 3. Evaluation by the Consumer Center
NRW**
- 4. Manufacture of beeswax wraps**

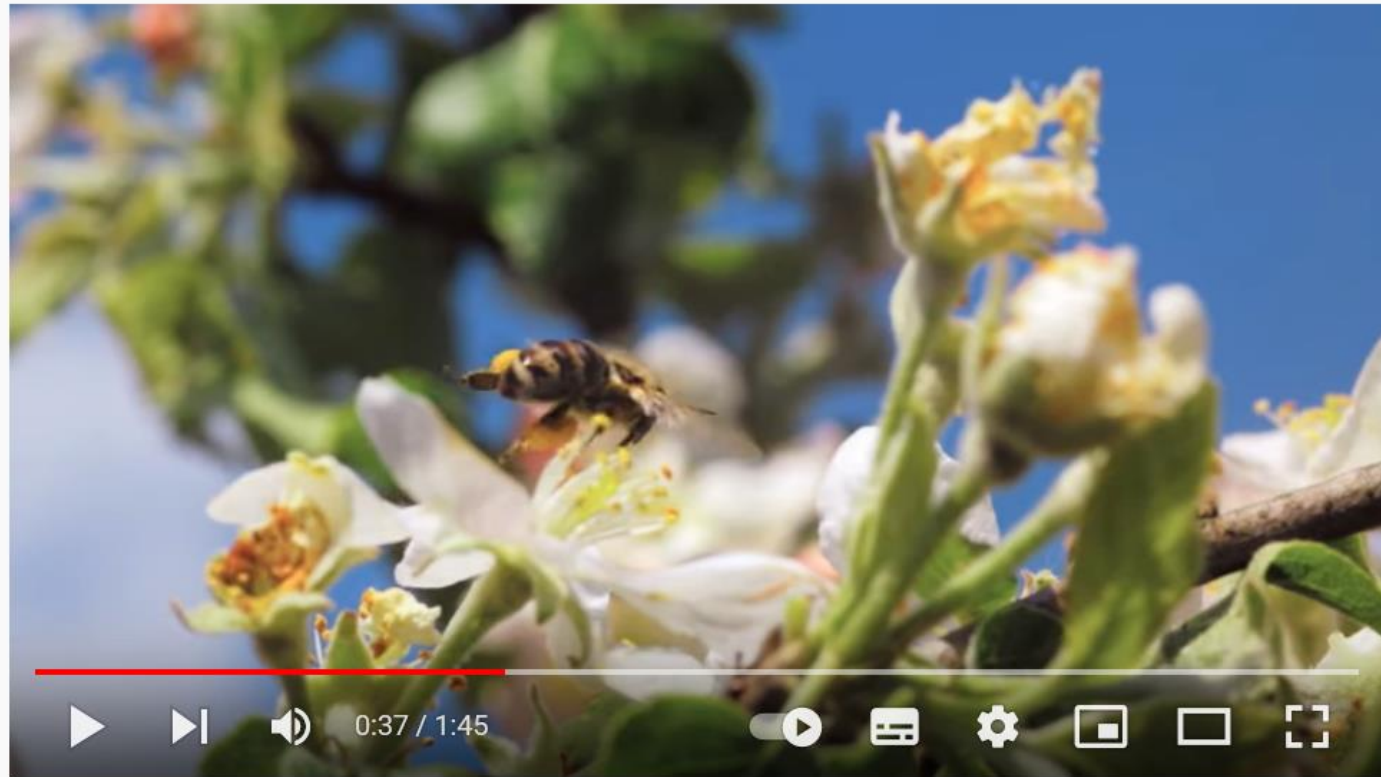
1. Bees



- Bees are considered pollinators are essential for biodiversity on earth.
- The honey bee – an insect as a pet: Humans use honey, wax and poison from bees (sting)



1. Bees



[#tagebucheinerbiene](#) [#kino](#) [#filmtrailer](#)

TAGEBUCH EINER BIENE | Offizieller Trailer

A film by director **Dennis Wells**



1. Bees



1. Bees





1. Bees





Berufsbildende Schule Donnersbergkreis



2. beeswax



Esters of fatty acids and fatty alcohols, i. e. compounds whose molecules contain long-chain alkyl residues.

The wax platelets sweated out of the wax glands by the honey bees originally have a white colour. The yellow colour is caused by the absorption of an ingredient of the flower pollen, the pollen oil, which in turn contains the natural dye carotene.



2. beeswax

Frisch ausgeschwitzte noch weiße
Wachsplättchen, darüber eine Mittelwand aus
Bienenwachs....



2. beeswax Certification

Zertifizierungen



Deutsche Landwirtschaft
DE-ÖKO-003



3. Evaluation by the Consumer Center NRW

If you make bee waxes yourself, you should . . .

- ✓ . . . if possible, use GOTS certified, uncolored and unprinted organic cotton and wash it before.
- ✓ . . . use 100% pure beeswax from organic farming in food quality.
- ✓ . . . do not add jojoba oil. In fact, jojoba oil is a wax which accumulated in feeding experiments in the intestinal cells of animals and led to cell destruction.
- ✓ . . . do not use mineral oil-based waxes (e. g. paraffin candle remnants) to make the wipes.

How to make beeswax food wraps for a plastic free kitchen

Supplies Needed:

- **Beeswax** Cosmetic-grade beeswax
- **pitch scissors**
- **parchment paper /** baking sheets
- **iron/ ironing board**
- **a piece of 100% cotton fabric**
- **cardboard as a backing**
- **brush**