



Projekt za trajnostni razvoj in obstoj

Storyline: KOČEVJSKE BUČELE

THE KOCEVJE BEES

Storyline for sustainability and resilience

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Kočevske bučele– Storyline za trajnostni razvoj in obstoj

PRESENTATION OF OŠ OB RINŽI, KOČEVJE

Kočevske buče– Storyline za trajnostni razvoj in obstoj

- 1. razred
- ena ura/tedensko
- 21 učencev



- 5. razred
- ena ura/tedensko
- 12 učencev



Kočevske bučele– Storyline za trajnostni razvoj in obstoj



Epizoda 1

The concept of the BEE MOVIE - THE WORLD HAS BECOME THE CONCRETE JUNGLE.

Kritični razmislek: "Svet postaja betonska džungla!"

- Key question:

HOW TO CREATE THE BETTER CONCEPT FOR THE BEES?

- Raziskovalno vprašanje:

KAKO USTVARITI BOLJŠE POGOJE ZA ŽIVLJENJE ČEBEL?

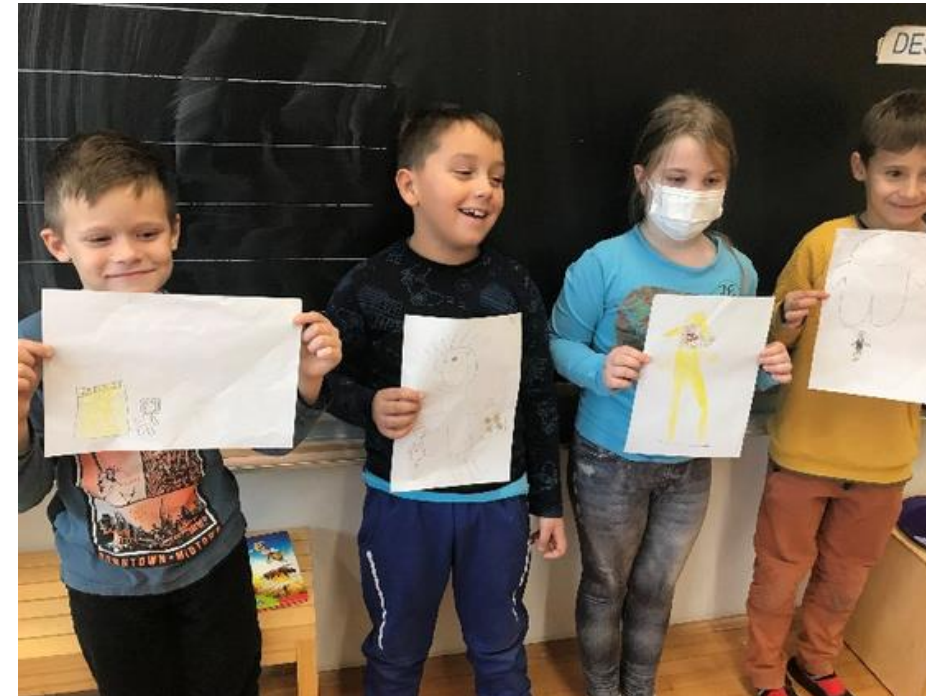
- Starting point/Učenčeva zakladnica znanja in idej

WHAT THE LEARNER ALREADY KNOWS./**PREDZNANJE UČENCEV.**



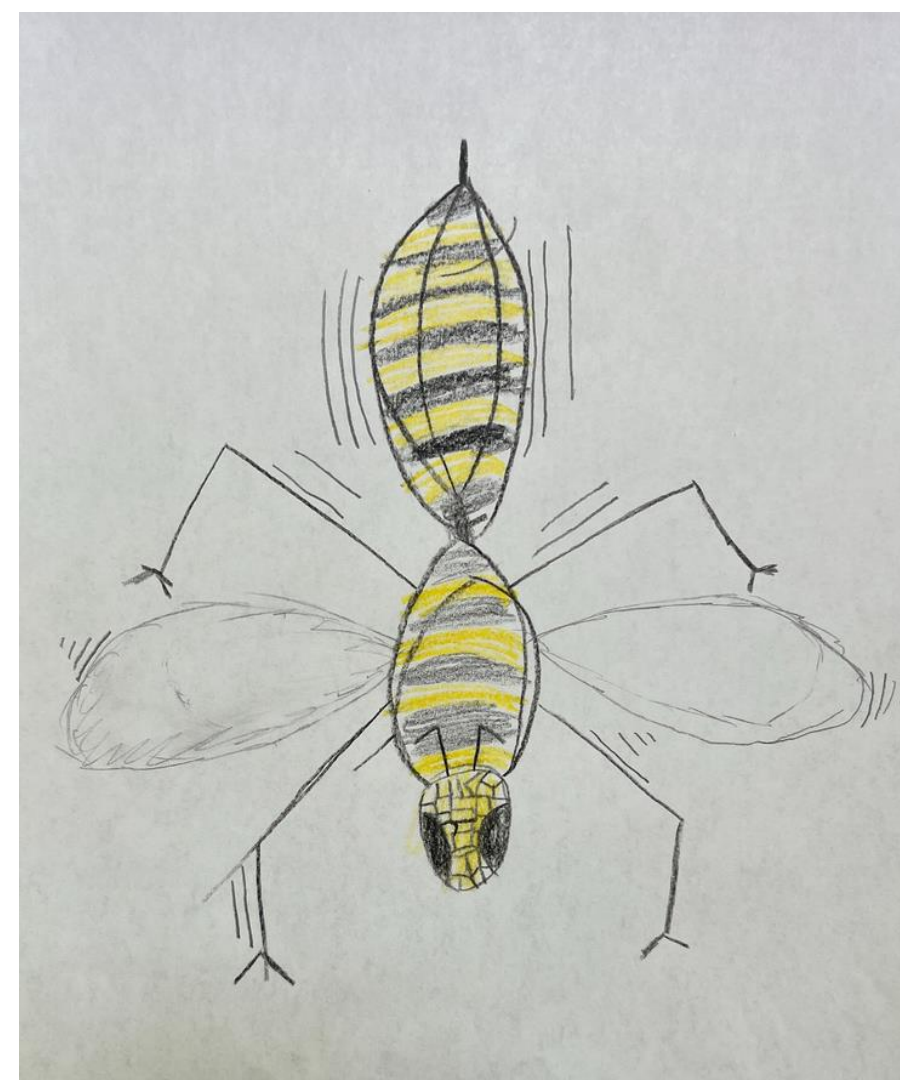
Kočevske bučele - Storyline za trajnost in obstoj

Predznanje učencev: KAJ UČENCI ŽE VEDO O TEMI?
(1. razred)



Kočevske buče - Storyline za trajnostni razvoj in obstoj

Predznanje učencev: KAJ UČENCI ŽE VEDO O TEMI?
(5. razred)



Kočevske bučele - Storyline za trajnostni razvoj in obstoj

Traditional Slovenian breakfast/Tradicionalni slovenski zajtrk

For a while now, parents no longer need to look at their child's menu on the third Friday of November – like every year, kindergartens and schools will be serving a traditional Slovenian breakfast.

The breakfast consisted of bread, butter, honey, milk and an apple.



Epizoda 2: SETTINGS/DOGAJALNI PROSTOR

- Creating beehives in the classroom/Izdelava panjev.

(1. razred)



Epizoda 2: SETTINGS/DOGAJALNI PROSTOR

- Creating beehives in the classroom./Izdelava panjev.
- (5. razred)



Epizoda 2: SETTINGS/DOGAJALNI PROSTOR

- Cooperation with local beekeeper – outdoor learning./Sodelovanje z lokalnim čebelarjem - učenje na prostem.

(1. razred)



Epizoda 2: SETTINGS/DOGAJALNI PROSTOR

- Cooperation with local beekeeper – outdoor learning./Sodelovanje z lokalnim čebelarjem - učenje na prostem.

(5. razred)



Epizoda 3: CHARACTERS/FIGURE (OSEBE)

- Creating BEE KEEPERS and IDENTITY CARDS./Izdelava figur in osebnih izkaznic.
(1. razred)



Episode 3: CHARACTERS/FIGURE

- 1st grade, Introducing point: Opportunity to build a relationship with the characters./Predstavitev oseb.



Epizoda 3: CHARACTERS/FIGURE

- I´m a beekeeper .../Postali smo čebelarji ...



Episode 3: CHARACTERS/FIGURE

- 5th grade, Introducing point: Opportunity to build a relationship with the characters./Predstavitev oseb (5. razred).



Epizoda 4: BUILDING MEDIUM HONEY SUPER/IZDELAVA SATNIC

- Cooperation with local beekeeper – outdoor learning./Sodelovanje z lokalnim čebelarjem - učenje na prostem.



POVABILO K SODELOVANJU

Dragi mladi čebelarji!

Pred vami je posebna naloga. Vas zanima kakšna? ;)

V svoje panje naseliti čebelje družine.

Razmislite: kam jih boste naselili in kako? Kaj potrebujete za pravilno delovanje panja? Pomagajte si s sliko spodaj.

Kaj je na sliki?



Prazen satnik (levo), z nameščeno satnico (v sredini) in z zgrajenim satovjem (desno)

Tako je. To je satnik s satnico in s satovjem.

Kako ga boste izdelali?

V tehnični učilnici vas čaka prav poseben obisk ☺

POZOR! Morda se v tem tednu na vašem FRIZU pojavi še eno pisemce ☺



Epizoda 4: BUILDING MEDIUM HONEY SUPER/IZDELAVA SATNIC

- Cooperation with local beekeeper – outdoor learning./Sodelovanje z lokalnim čebelarjem - učenje na prostem. (1. razred)



Epizoda 4: BUILDING MEDIUM HONEY SUPER/IZDELAVA SATNIC

- Cooperation with local beekeeper – outdoor learning./Sodelovanje z lokalnim čebelarjem - učenje na prostem (5. razred).



Episode 5: CREATING A BEE COLONY/USTVARIMO ČEBELJO DRUŽINO

(queen bee, trout bee, bee worker/matica, trot, čebela delavka)



Kočevske bučele - Storyline za trajnostni razvoj in obstoj

Epizoda 5: CREATING A BEE FAMILY/USTVARIMO ČEBELJO DRUŽINO



Epizoda 6: Incident 1

PLANTING HONEY PLANTS/SAJENJE MEDOSNOSNIH DREVESNIH VRST



Epizoda 6: Incident 1

PLANTING HONEY PLANTS/SAJENJE MEDOVITIH RASTLIN



Epizoda 7: Incident 2

VARROA THREATENS BEES – WHAT TO DO?/NAPAD VAROJE



Epizoda 7: Incident 2

VARROA THREATENS BEES – WHAT TO DO?/NAPAD VAROJE - KAKO UKREPATI?

5th grade/5. razred

Dragi čebelarji!

Pri pregledu vaših čebelnjakov smo člani čebelarskega društva Kočevje ugotovili, da se je v vašem panju namnožila varoja.

Ugotovite, kaj ta škodljivec počne in kako ga lahko premagate.

Prilagamo sličice, da boste videli kakšen škodljivec je varoja.

Čebelarsko društvo Kočevje



Epizoda 8: The importance of the bees /Pomembnost čebel

- Why are bees important for humanity? / Zakaj so čebele pomembne za človeštvo?
- What would happen if the bees became extinct? / Kaj bi se zgodilo, če nekega dne preprosto izginejo? ...



Epizoda 8: The importance of the bees – creating a poster/Pomembnost čebel - izdelava plakata

THE 5 BEES PROMISE

- **Respect bee homes** — do not disturb bee homes when you find them outside. Leave the bees alone so they can keep pollinating plants and making honey.
- **Bee calm around bees** — keep your eyes open when walking barefoot outside, and avoid stepping on bees. Bees will not bother you if you don't bother them!
- **Bee sure to eat local honey** — support your local bee keepers by buying local honey. You might find special honey flavors that are made from single flower sources, such as buckwheat, lavender, or raspberry. (Note: infants under the age of 12 months should not eat raw honey).
- **Add a water source in your garden** — bees need water to survive. They like calm, shallow water sources, so adding a dish of water to your garden can encourage bees to stop and get a drink.
- **Plant bee-friendly flowers** — attract bees to your yard by planting flowers and plants that bees like. Bees are attracted to blue, purple, and yellow flowers especially, but not all flowers will attract bees. Here are two lists of bee-friendly plants from the Royal Horticulture Society.



Epizoda 9:

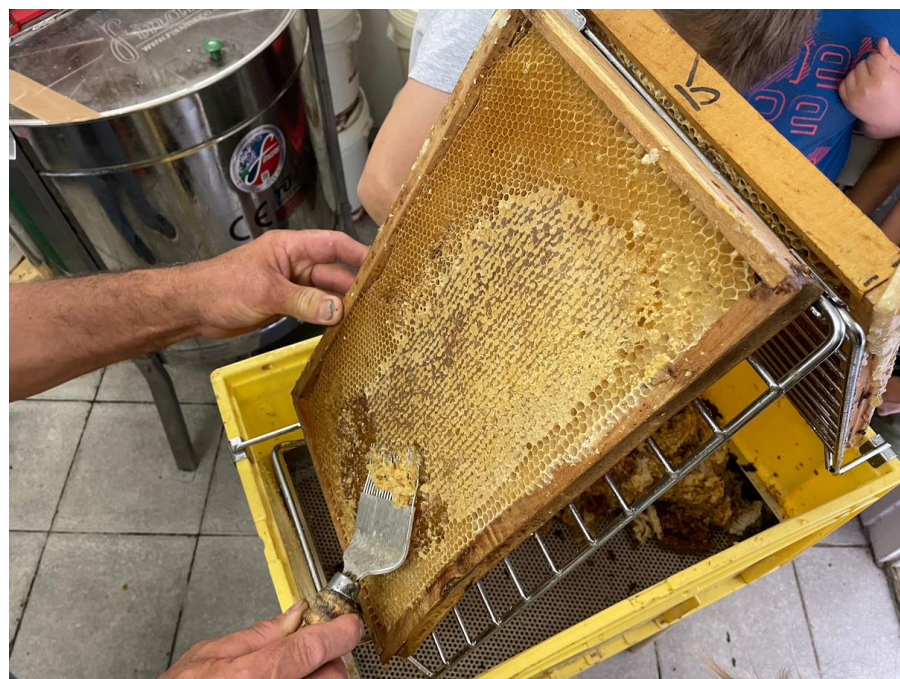
The HIGH POINT and the CELEBRATION

THE BIG OPENING OF THE BEEHIVE/ODPRTJE REGIJSKEGA ČEBELNJAKA



Epizoda 10: CONCLUSION/ZAKLJUČEK

CONTRIBUTION TO SCHOOL AND SELF-SUPPLY WITH HONEY/SAMOOSKRBA Z MEDOM



Storyline to teach sustainability and resilience/Storyline za trajnostni razvoj in obstoj

- Story, real expectations, real world connections, creating together in collaboration.
- Develop project that has a deepest impact on the families, schools and their communities.

Pedagoški pristop Storyline smo izbrali, ker:

- povezuje obstoječe znanje z novim znanjem;
- v ospredje postavlja interese in zanimanja učencev;
- obogati individualno znanje in lastne izkušnje o svetu s kolektivnim znanjem in izkušnjami;
- zgodba (fikcija) je postavljena v resnični svet, z resničnimi pričakovanji;
- spodbuja sodelovanje in uči, kako postati aktiven subjekt šolske in lokalne skupnosti z lastnim prispevkom k trajnosti.



ACTIVITIES OF THE MUNICIPALITY OF KOČEVJE IN ASSISTANCE TO BEEKEEPING/SODELOVANJE Z LOKALNO SKUPNOSTJO

- planting honey trees in public areas/sajenje medovitih rastlin
- publication of beekeeping articles in the municipal bulletin/ozaveščanje občanov o ogroženosti in pomembnosti čebel;
- organization of honey markets/organizacija tržnice za promocijo čebelarstva na Kočevskem;
- preservation of beekeeping cultural heritage.
 - Kocevje forest honey – TRADEMARK/KOČEVSKI MED (zaščiten znamka).



OUR SCHOOL'S HONEY / ŠOLSKI MED

- In 2020 we harvested this years first honey./Točenje prvega medu iz šolskega čebelnjaka.
- We checked all the characteristics for our trademark and it meets standards for Kočevje forest honey./Šolski med zagotavlja in ustreza standardom za naziv Kočevski gozdni med.



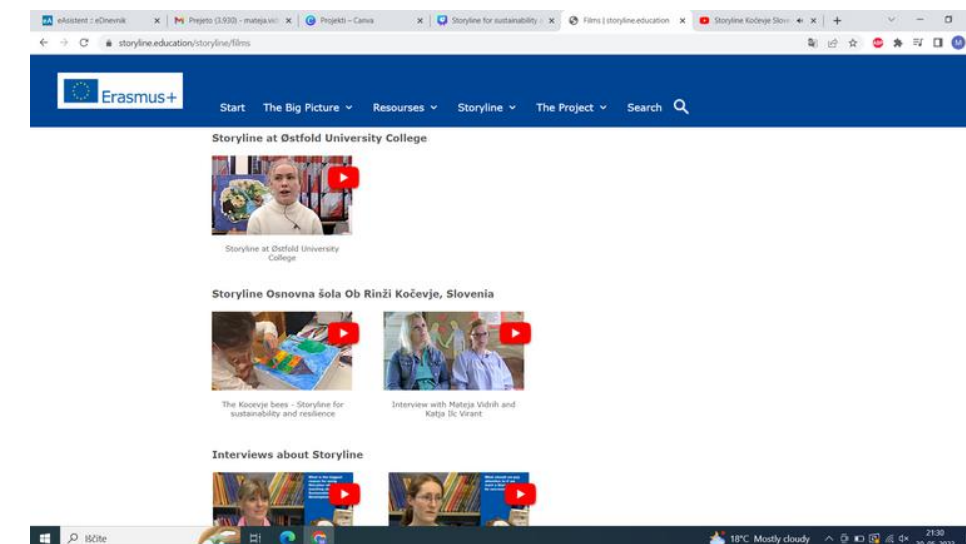
The Kočevje bees – Storyline for sustainability and resilience/Kočevske bučele - Storyline za trajnostni razvoj in obstoj

The main goals:

- To collaborate and discuss experiences with different learning environments used in the Storyline approach, focusing on food production and cooperation with the local community.
- To identify and further develop alternative teaching and learning environments used in the approach to meet the demands of teaching resilience and agency for sustainability.

RAZVOJ KOMPETENC:

- SODELOVANJE Z LOKALNO SKUPNOSTJO.
- INOVATIVNOST POUČEVANJA PO NOVEM PRISTOPU (storyline.education).
- UČENJE ZA TRAJNOST.



The Kočevje bees – Storyline for sustainability and resilience / Kočevske bučele - Storyline za trajnostni razvoj in obstoj

