



LESSON PLAN

OUTDOOR / ECOLOGICAL EDUCATION

TITLE: Flip n' Tell!

TRAINER: Giuseppe Perrotti- 02/09/2022

TIME REQUIRED: 120 min

AGE TARGET: 8-16

LESSON OBJECTIVE: Research of new topics, understanding, creating a presentation, digital competences, team building, literacy, recycling.

MATERIALS USED: Each material is intended per team

1- 9,5cm x 18cm piece of corrugated cardboard (recycled)

1- 23cm x 18cm sheet of paper (recycled)

Stick glue

2- Several A4 pieces of paper

Set of markers, colored pencils and/or Crayons

HB Pencil

Cell phone

QR code generator

Older students may cut out the materials by themselves with

Ruler

Cutter

LESSON OUTLINE:

Divide your pupils in groups. Ask them to choose a topic among a variety you had already prepared for them.

Each team has the task to search the web for information about the topic.

Information must be a multitude of media including images, videos and written.

Each team takes the A4 sheets of paper and generates an essay that will serve as a guide line for the presentation. The essay may be enriched with doodles, drawings and infographics.

Key elements about the topic are then extracted from the essay and used as a short summary on the flip-tile.

Making the Flip-tile!

- 1) Prepare the cardboard tile so it measures 18X9,5 Cm
- 2) Prepare the sheet of paper so it measures 23X18 Cm
- 3) Glue the sheet of paper on the corrugated cardboard tile and wait for the two pieces to consolidate
- 4) Fold the sheet of paper on itself so that it wraps around the cardboard leaving a 4 Cm flap (this will keep the front face of the flip-tile closed)
- 5) Chose an image that is emblematic of the topic. Something that immediately refers to it but does not explain it completely. Draw said image on the front of the tile.
- 6) Open up the tile. Choose a second image, but this time it has to be connected with the topic and totally explanatory. Draw the second image inside the tile.
- 7) On the sides of the second image write down the summary extracts for further explanation of key concepts.
- 8) Choose a vide about the topic and generate a QR code linked to it. Print the QR code.

The team now presents their essay about the general topic. Then asks the rest of the pupils to guess the information enclosed in the Flip-tile only by looking at the outer drawing. If the guess, the tile is opened. If the class gives up, the tile is opened and explained.

EXAMPLE on the theme of circular economy.

Four tiles were made on the themes of banana stumps made for making clothes, algae to make flipflops, avocado seeds for bio-plastic and mushrooms for sustainable human burials.

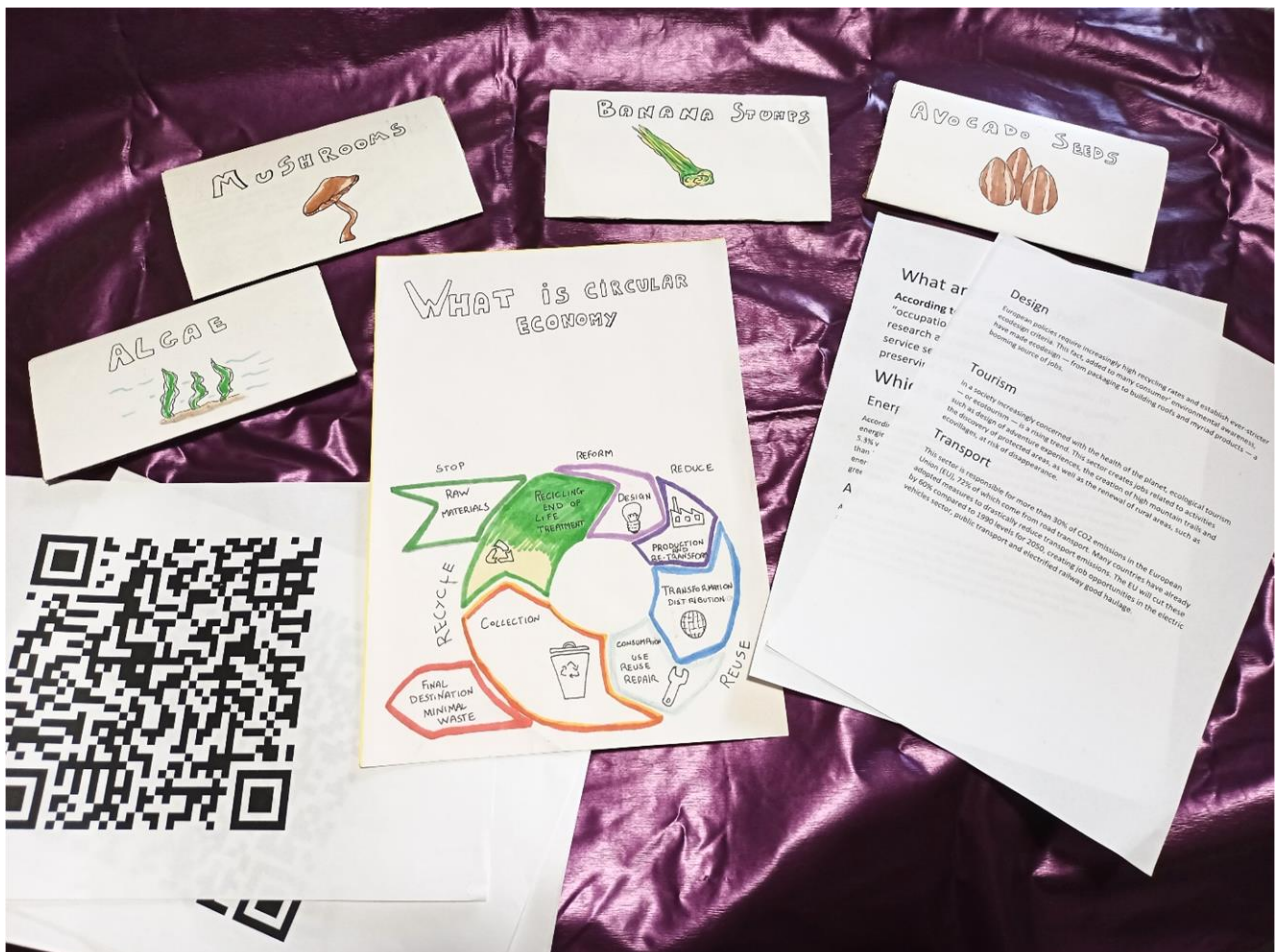
The outer drawing is shown to the public, the main theme is explained and then they are asked to guess.

Algae “A study was conducted on about 21 tons of plastic harvested from the sea. One single item was found to make up 23% of the whole waste. It is so relevant that scientists are trying to make the same item out of bio-plastic using algae. Can you guess what the item is?”

The answer would be “Flip Flops” the tile is then opened and further explanation handed out. At the end, the class may access the QR code and watch the video on their phones.

REFLECTION:

The activity promotes several skills from the student’s part, to deal with the topic and really become proficient about it. Explaining in a presentation is great to develop self-efficacy and build-up self-esteem.



MUSHROOMS



TEXTILES

*SEE EACH TON OF BANNING 2 TONS OF STUARDS ARE PRODUCE



*STUARDS ARE TRADITIONALLY BANNED RELEASING CO2

*BANNING TEXTILES ARE DROPPED AND REMOVE SOFT LINES BUREAU AND COULD BE USED TO BE USED TO MAKE TEXTILES

AVOCADO SEEDS



FLIP FLOPS

*FLIP FLOPS ARE VERY COMMON MADE OF RUBBER AND WATER WHEELS THEY MAY TAKE SEVERAL TO DECAY



*IN AVERAGE 23 TONS OF WASTE WAS RELEASED 25% WAS FLIP FLOPS

*ALGAE BIODEGRADABLE IN 1 YEAR

AVOCADO SEEDS

