

REWIND THE COLORS OF LIFE

2021-2022

eTwinning project

- Craiova, Romania, Scoala Gimnaziala "Sf.Dimitru"
- Altınordu, Turkey, Şehit Cüneyt Akkuş Ortaokulu
- Ιωαννίνα, Greece, ΜΟΥΣΙΚΟ ΣΧΟΛΕΙΟ ΙΩΑΝΝΙΝΩΝ
(MUSIC SCHOOL OF IOANNINA)
- Ulubey, Turkey, Ulubey Ortaokulu
- Zamosciu, Poland, Szkoła Podstawowa Nr. 2



REWIND THE COLORS OF LIFE



The needs and problems of the growing world with its increasing population and developing technology are also increasing. To carry out informative and awareness-raising studies on renewable energy and to support students with STEM activities while doing this. Our most important goal is to contribute to the studies that reduce the rate of fossil fuels used in energy and to raise awareness. Students aged 10-14 will increase their academic skills by taking part in this study. We will create a great interactive educational environment on climate change, sustainability and energy projects among our students who are united in the same partnership with their peers through the chain of activities to be carried out within the scope of the project.

GOAL 3: GOOD HEALTH AND WELL-BEING

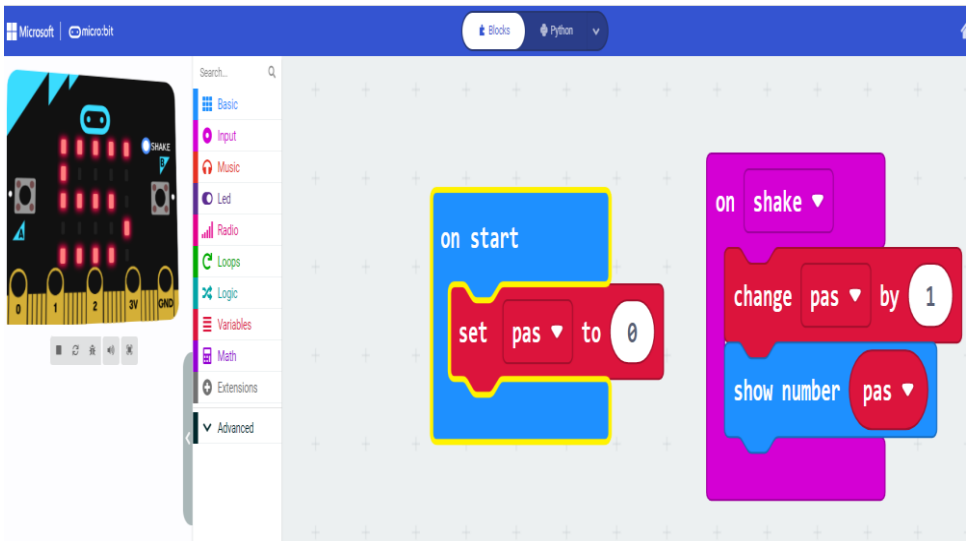
Ensure healthy lives and promote well-being for all at all ages



Improving access to healthcare and increasing its quality is essential for any truly sustainable society to function properly. Healthcare must be human-centered, good regardless of one's geographical location, and modern. Besides the obvious, the process of ensuring healthy lives and promoting well-being for all at all ages requires us to promote healthy life styles and to focus on prevention – be it helping people overcome their smoking addictions, promoting an active lifestyle, and fostering a sense of community where people – regardless of age – feel as if they belong. It is also through this SDG that we can finally talk about, and combat, mental health – a 'silent' disease that tends to be overlooked and continues to be stigmatized.



- We count the steps we take while running
- <https://microbit.org/projects/make-it-code-it/step-counter/>



Platform: <https://makecode.microbit.org/>

GOAL 13: CLIMATE ACTION

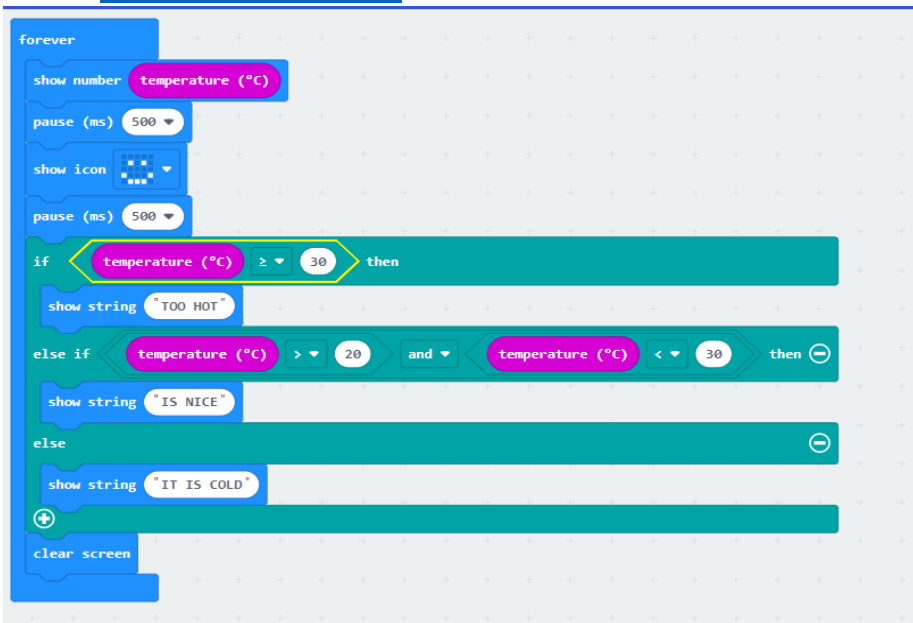
Take urgent action to combat climate change and its impacts



Climate Change is a fact, and urgent action must be taken to limit its impact. While the entire 2030 Agenda seeks to address the cause of Climate Change, the risk of keeping this phenomenon unchecked is too great. Its effects can be seen in all, ranging from health, quality of life, the loss of biodiversity, and only by acting, as a planet, can we mitigate its impact.



- Knowing the temperature in the school and deciding when to turn on the heating
- <https://microbit.org/projects/make-it-code-it/thermometer/>

A screenshot of a Scratch code editor showing a script for a thermometer project. The script is contained within a "forever" loop. It starts with "show number" set to "temperature (°C)", followed by a "pause (ms)" of 500. Then, "show icon" is set to a thermometer icon, followed by another "pause (ms)" of 500. An "if" block checks if "temperature (°C) >= 30". If true, it shows the string "TOO HOT". An "else if" block checks if "temperature (°C) > 20 and temperature (°C) < 30". If true, it shows the string "IS NICE". An "else" block shows the string "IT IS COLD". Finally, a "clear screen" block is added to the end of the loop.

```
forever
  show number temperature (°C)
  pause (ms) 500
  show icon thermometer
  pause (ms) 500
  if temperature (°C) >= 30 then
    show string TOO HOT
  else if temperature (°C) > 20 and temperature (°C) < 30 then
    show string IS NICE
  else
    show string IT IS COLD
  clear screen
```

Platform: <https://makecode.microbit.org/>

GOAL 15: LIFE ON LAND

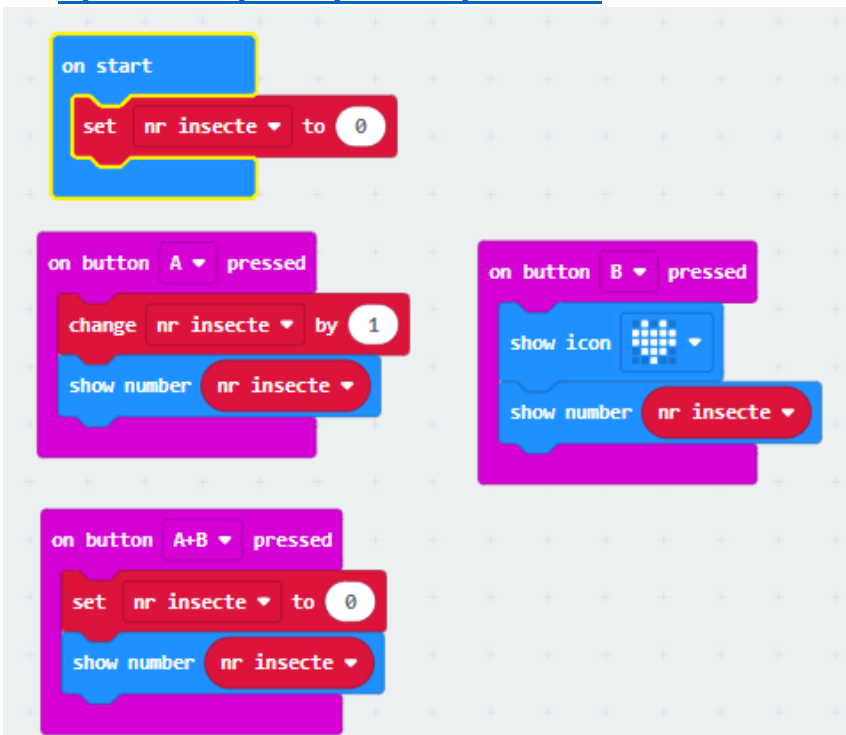
Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



This SDG is wide and covers a lot of different aspects that help us remember our role as part of this planet's eco-system. For the first time in the history of our planet, we have reached a point that wherever we go, we can see humanity's presence and impact. Though scientists are currently debating if we should have entered a new geological epoch which, if accepted, will be called the Anthropocene, or the age of Humans. Our huge footprint on this planet we call home also comes with our responsibility to better manage and protect the environment. We are, after all, part of the ecosystem, and we must play our part.



- We count the species of animals we observe in the school park/garden
- <https://microbit.org/projects/make-it-code-it/counter/#step-3:-improve-it>

A screenshot of a Scratch code editor showing three event-driven code blocks. The first block, "on start", sets the variable "nr insecte" to 0. The second block, "on button A pressed", changes "nr insecte" by 1 and shows the number. The third block, "on button B pressed", shows a grid icon and the number. The fourth block, "on button A+B pressed", sets "nr insecte" to 0 and shows the number.

```
on start
  set nr insecte to 0

on button A pressed
  change nr insecte by 1
  show number nr insecte

on button B pressed
  show icon grid
  show number nr insecte

on button A+B pressed
  set nr insecte to 0
  show number nr insecte
```

Platform: <https://makecode.microbit.org/>