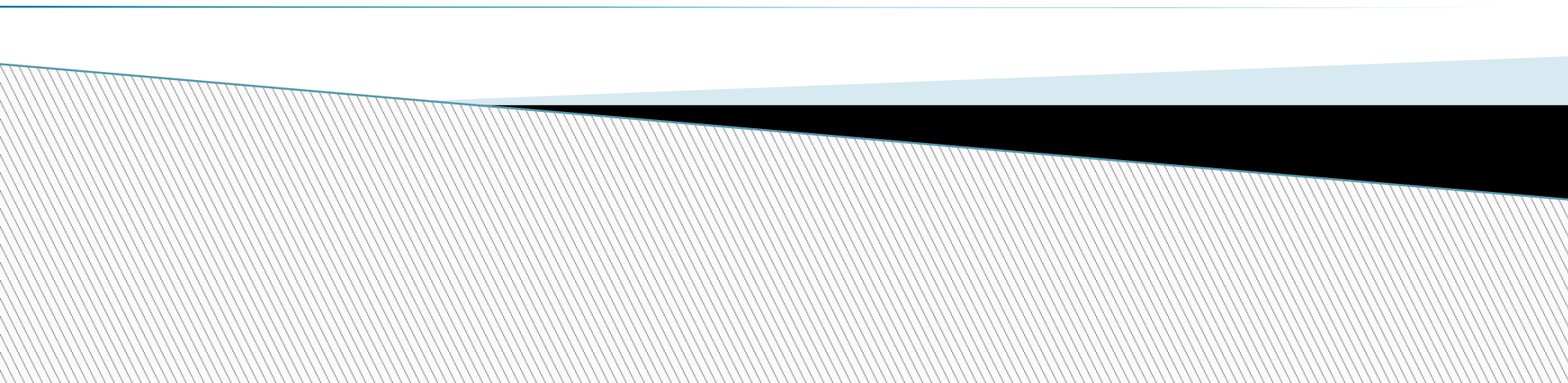
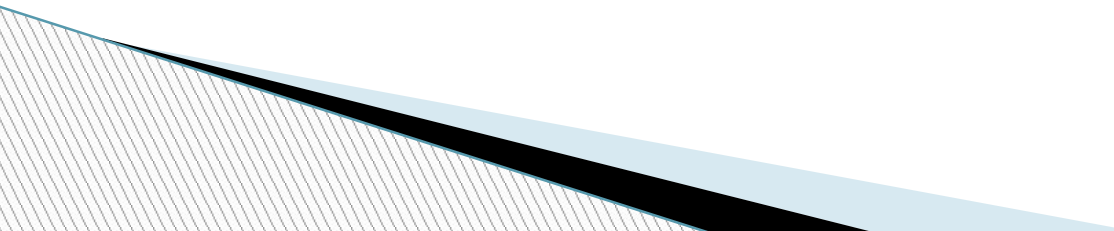


# IT technologies in teaching



# Introduction

- ▶ The use of new technology tools can help the teacher in making teaching interesting and engaging .The technology skills and knowledge that students gain in the classroom will create the foundation for the skills and knowledge they will need in the future.
- 

# English

- ▶ **Kahoot!** is a popular eLearning tool that can easily be **used** to add vitality, student engagement, and meta-cognitive supports to **education** classrooms.
- ▶ To be able to use it first you must enter the website  
[www.kahoot.com](http://www.kahoot.com)

# Kahoot!

45% 10:00

kahoot.com

K! Enter game PIN Sign up Log in



## Make learning awesome!

Kahoot! brings engagement and fun to more than 1 billion players every year at school, at work, and at home

Sign up for free!



Kahoot! at school

[Learn more](#)

45% 10:07

create.kahoot.it/registrare

# Kahoot!

Log in

## I want to use Kahoot!

As a teacher

As a student

Socially

At work

44% 10:10

create.kahoot.it/?\_ga=2

# Kahoot!

Add name +

kadamus

|                       |                               |
|-----------------------|-------------------------------|
| Plan:                 | <a href="#">Upgrade</a>       |
| Member of:            | <a href="#">Create a team</a> |
| Kahoots created       | 4                             |
| Plays of your Kahoots | 70                            |
| Total players         | 213                           |
| My interests          | <a href="#">Add interests</a> |

My kahoots

Team space

Create new



16 Q

Croatia - Chorwacja

5d

kadamus 5 plays

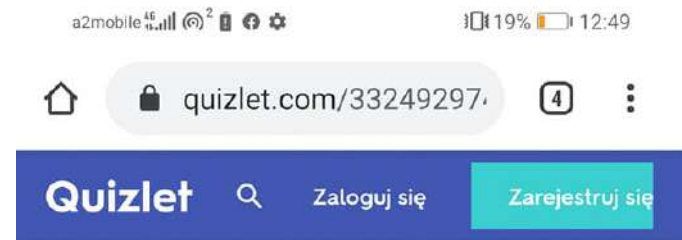
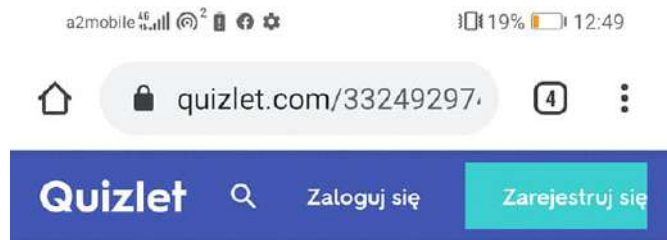
Have got/ has got

5 Q

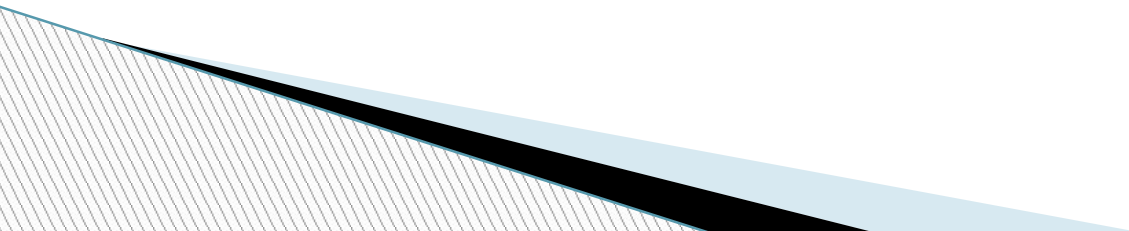
# Quizlet

- ▶ Quizlet is a mobile and web-based study application that allows students to study information via learning tools and games. Quizlet trains students via flashcards and various games and tests.
- ▶ To start using it you must make a profile on its website [quizlet.com](https://quizlet.com)

Then you can use it together with your students for example to revise bike based vocabulary...



# QR Apps

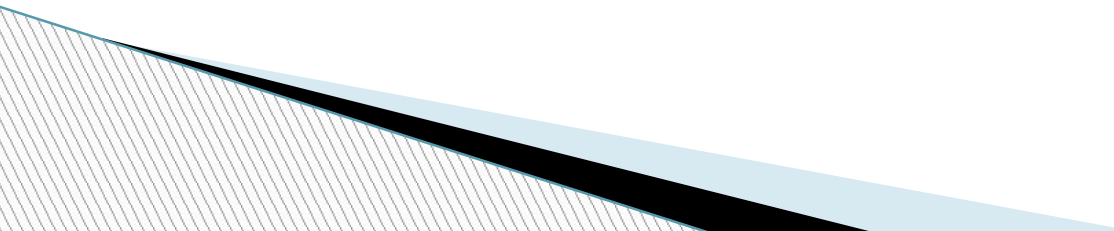




QR CODE QUIZ ABOUT CYCLING >>

QR Apps

## **Prior to the lesson:**

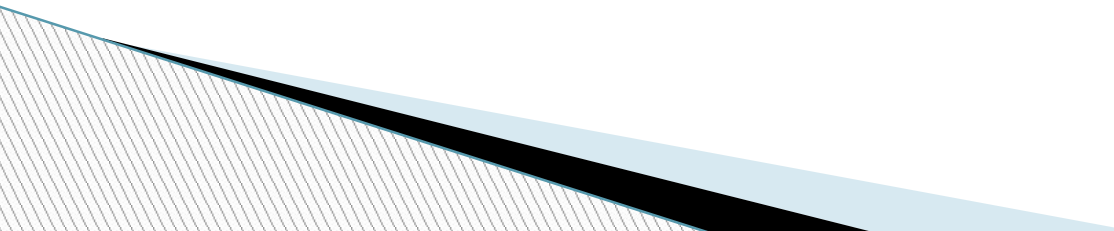
1. Arrange students into groups. Each group needs at least one person who has a mobile device.
  2. Ask students to : Download a QR reader and bring these devices into the lesson.
  3. Print off QR codes for each of the quiz questions.
  4. Cut them out and place them around your class / school.
- 

# **The lesson:**

1. Have the first (introduction) QR code on display on your whiteboard.



2. Each team scans it into their device and gets told to start hunting around the class / school for the remaining QR codes.



## ***Question 1***



## ***Question 2***



## ***Question 3***



### ***Question 4***



### ***Question 5***



### ***Question 6***



## ***Question 7***



## ***Question 8***



## ***Question 9***



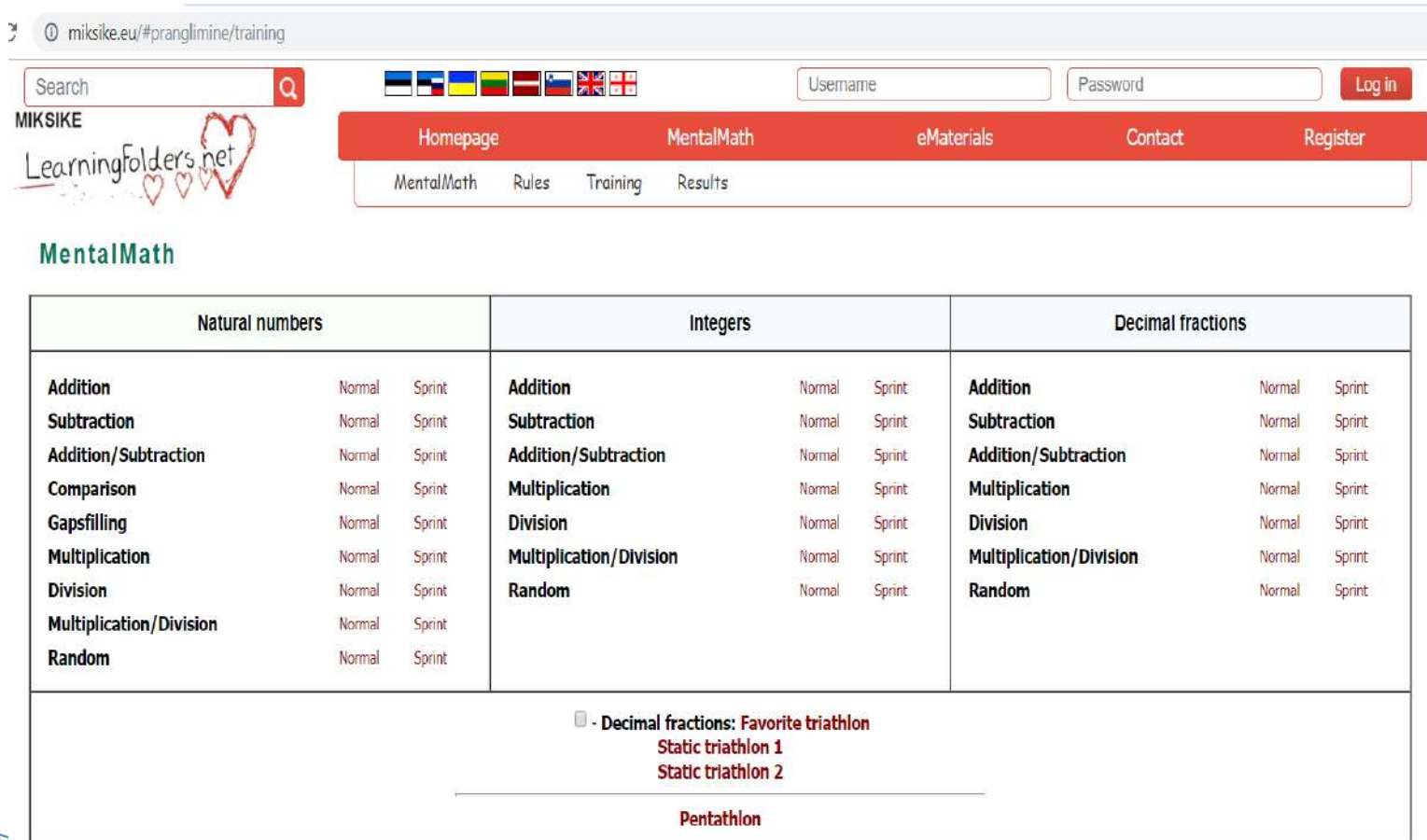


*3. The winner is the first team to return with the most correct answers in the time available.*

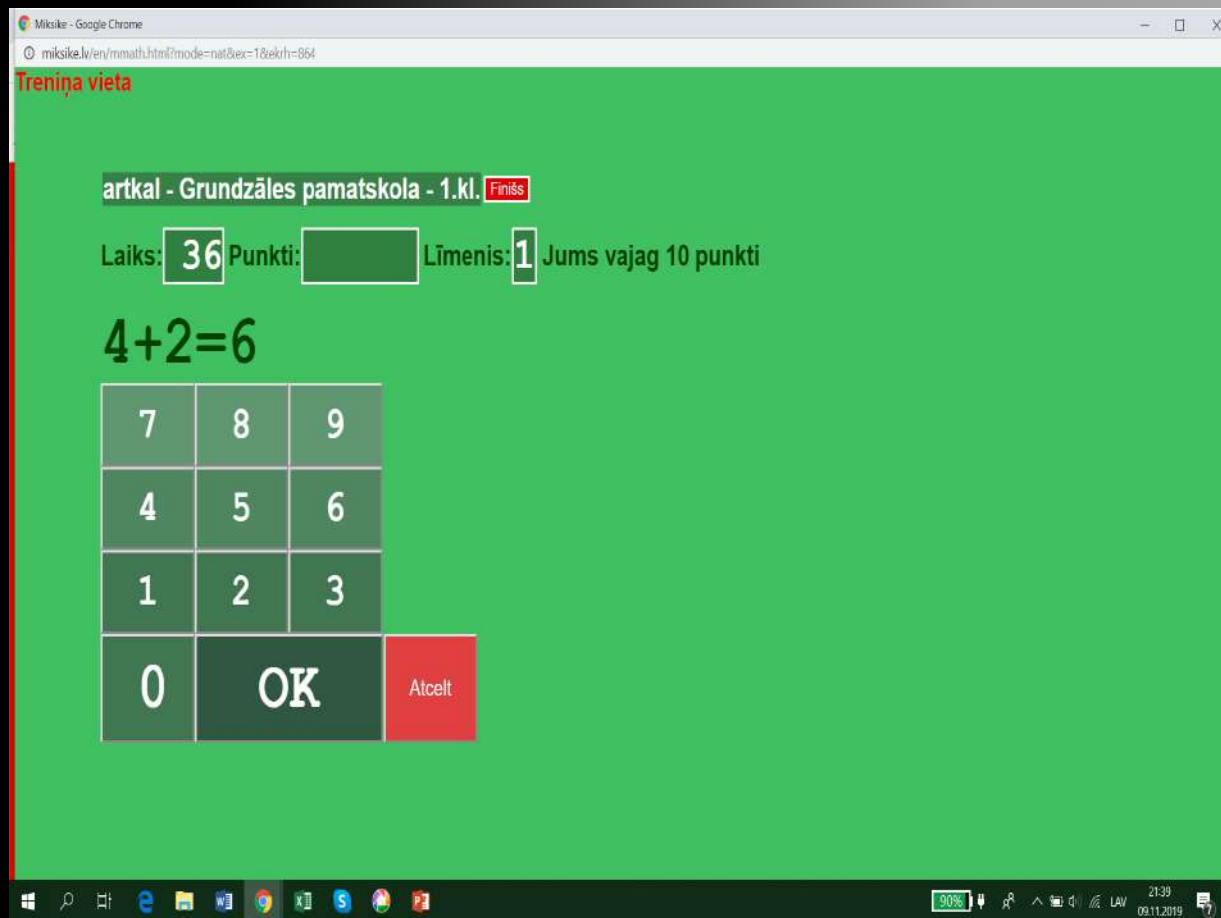


Maths >>

# Miksike.eu – mental math



# Miksike.lv



# Science

# <https://padlet.com/>

← → ↻ padlet.com/iritaemane/dpu6Se5uhsrg

Apps Skole2030 materiāli... Latvijas 100 | SEB ba... Scratch - Imagine...

padlet

Irta Emāne +18 · 2h

## 8.kl. Ģeogrāfija. Āzijas dabas zonas

2015./2016.m.g

REMARKS SHARE

### Mitrie tropiskie meži

Ievietoja (Zanda)

Āzijas dabas zonas

Ievietoja (Zanda)



### Mongroves

Ievietoja (Zanda)



### Ekvatoriālā klimata josta

Ievietoja (Zanda)



### Mitro tropisko mežu dzīvnieki

leopardi, tīģeri, mežacūkās, pērņi, jorokodi, pūši, gailiņi  
ātri, tauriņi daudz šķādes  
(Ievietoja Zanda)

### Mežos ir daudz augstu,

### Liānas

(Ievietoja Zanda)

### Āzijas lietus mežs

### Arktiskie tuksneši

#### Ieduslācis

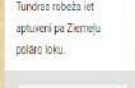
Dzīvo tikai arktiskā. Izdzīvo mednieki. Apēd 45 roņus gada.



### Āzijas tundra (Agnija)

Āzijas tundras atrašanās vieta (Agnija)

Tundra atrodas subarktiskajā joslā. Tundra robežs iet aptuveni pa Ziemeļu polāro loku.



Tundrā ir kaitēkļu koku augšana, zemā temperatūrā dēļ, aug tikai puskrūmi, ķēpiņi un sūnās.



#### Tundras dzīvnieki (Agnija)

Tundrā dzīvo ziemeļbriedis, līgsto putni, ir daudz dažādu kukaiņu.



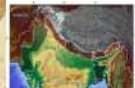
Ziema ir ļoti gara, tumša un auksta. Vasaras ir īsas.

#### Tundras iedzīvotāji (Agnija)

Lauksaimniecība nav iespējama. Iedzīvotāji nodarbojas ar briežkopību.

### Augstumsjoslojums (Inguss)

#### Himalaji (Inguss)



#### Augstumsjoslojums (Inguss)

Āzijas kalni ir augsti, un to augstumsjoslojumā

#### Zemkopība kalnos (Inguss)

#### Cilvēki (Inguss)

Cilvēki dzīvo piekāje un

#### Nepāļa - Himalaji - Katmandu kalni (Inguss)



Dabas zonas kalnos no piekājes līdz virotnai mainās līdzīgi kā no ekvatora līdz poliem.

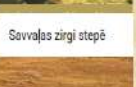
#### Augstumsjoslojums Himalaju R nogāzēs (pa kreisi) un A nogāzēs (pa labi)

### Steppe (Ralfs)

#### Steppe



#### Steppe (Ralfs)



#### Savvaļas zirgi stepē



### Tuksneši

Āzijas dabas zonu karte

Sandis



#### Steppe

(Ralfs)



#### Savvaļas zirgi stepē



### Pārejas zona (Ievietoja Sandis)

Pārejas zona uz Sandi

Sandis

TUKSNEŠI var izveidot daudz veidus mitruma, nekā nāst lietus ūdeni.

#### Tuksnešis pavasarī (Sandis)

Pavasarī pēc lietus tuksnešis sažāvo un līdzinā ziedosai pļavai - uzplaukst tulpes, līši, maģones, gundegas.

### mežs

mežs, Anga.

Āzijas jauktomežu atrašanās vieta.

(Ievietoja Krista)



#### Viens no populārākajiem jauktu mežu iedzīvotājiem.

(Ievietoja Krista)



#### Āzijas jauktais mežs.

(Ievietoja Krista)



#### Sajēni



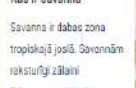
### Savanna (Klāvs)

#### Savannas karte (klāvs)



#### Kas ir savanna

Savanna ir dabas zona tropiskajā joslā. Savannām raksturīgi zālauni, ācenzumi, reti koki un Klimatiskie apstākļi



### Mūžzaļo cietlapu meži un krūmāji (Ronāls)

#### Mūžzaļo cietlapu meži un krūmāji.

Mūžzaļo cietlapu meži un krūmāji ir ļoti maz un tie ir tikai ar viduslietu un

#### Kādi koki šeit ir?

(Ievietoja Ronāls)

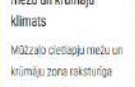
#### Mūžzaļo cietlapu meži un krūmāji



### Mūžzaļo cietlapu mežu un krūmāju klimats

Mūžzaļo cietlapu mežu un krūmāju zona raksturīga subtropu joslai, galvenokārt Vidusjūras piekrastē. Tur aug cipreses, pīnijas, oleandri, citrusi. Augiem ir cietas lapas vai dzelkņi, kas nesācēt vasaras karstumu. Ēdīt sūnās





# Go pro camera

- ▶ Geography,
- ▶ Biology - botanics



# Google.doc – history, geography, biology

docs.google.com/document/d/17yn\_jep\_zg5OUjzAqjchTAbuClJfYq?wM439zW\_Hs/edit

Mobility to Latvia 01.04.2019-05.04.2019.

Fails Labot Skatīt Ievietot Formāts Rīki Papildinājumi Palīdzība Pēdējoreiz rediģēts šādā datumā: 12. marts.

Kopīgots

100% Parasta tek. Arial 11 B I U A CO

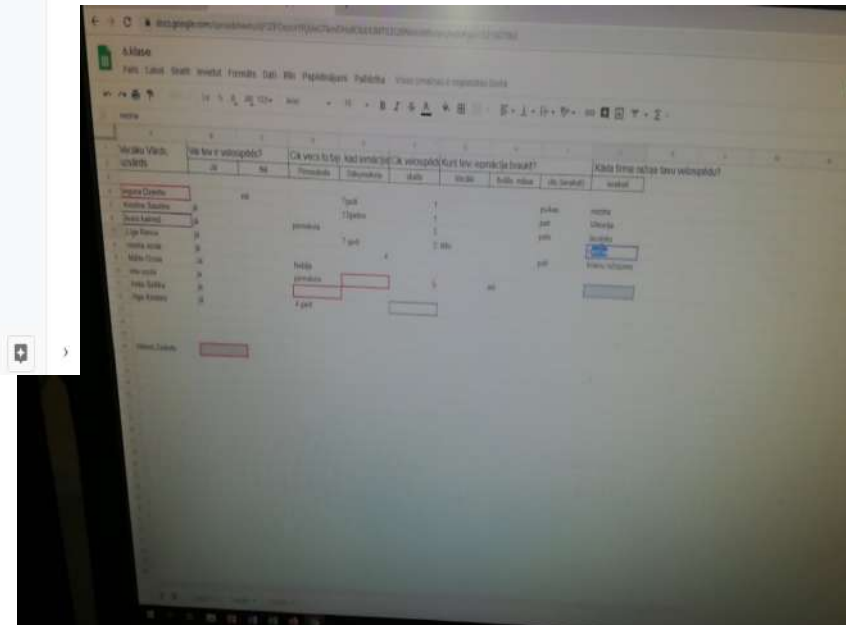
Rediģēšana

Kontūra

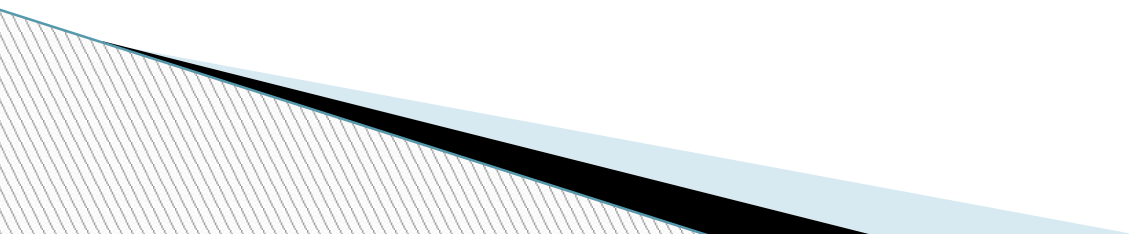
Šeit tiks parādīti virsraksti, ko pievienojat dokumentam.

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| 2.  | Romania | teacher            | GURCENCO VIOLETA               | triple                                           | Frankfurt 18.30 - 19.55                       | Frankfurt ( 6 April 2019)                                 |
| 3.  | Romania | teacher            | RĂPA MIHAELA                   | triple                                           | Lufthansa                                     | Bucharest: 20.35 - 23.50 ( 6 April 2019)                  |
| 4.  | Romania | student            | POPA ALINA                     | in family                                        | a ( 31 March 2019)                            | Frankfurt - Rīga :                                        |
| 5.  | Romania | student            | ILIE ELENA                     | in family                                        |                                               | 20.40 - 23.40 ( 31 March 2019)                            |
| 6.  | Romania | student            | MIHAI VIOREL                   | in family                                        |                                               |                                                           |
| 7.  | Romania | student            | RAJA BIANCA                    | in family                                        |                                               |                                                           |
| 8.  | Romania | student            | COCOS ANA                      | in family                                        |                                               |                                                           |
| 9.  | Romania | student            | BALTAC ELENA                   | in family                                        |                                               |                                                           |



# Music-youtube.com



<https://www.youtube.com/watch?v=V3-Audgr3C0>

Alina Sorescu & Atelierul de Muzica Picii lu' Soreasca - Am bicicleta (Official Video)



0:28 / 3:44



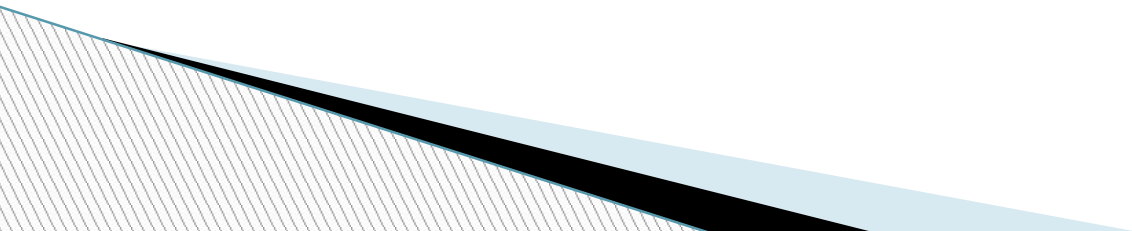


- ▶ The digital textbook - each textbook has a CD with audio-video activities, animations, challenges for students.



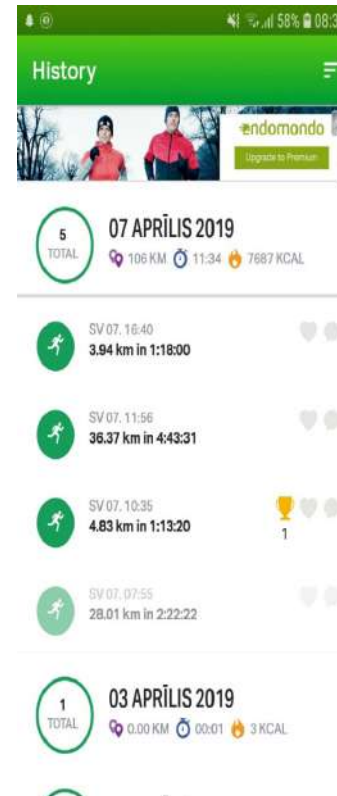
Solfego.com

P.E.



# Endomondo, strava

- ▶ To fix physical activities



# Mobile applications for the use with bikes

- **AllTrails** - is your guide to the outdoors! By using this app you can discover the best hiking, running, and biking trails around the world.



# AllTrails: Hiking, Running & Mountain Bike Trails

AllTrails, LLC

Zawiera reklamy • Zakupy w aplikacji

4,5★

33 tys. opinii

Ponad 5 mln

Pobrania

3

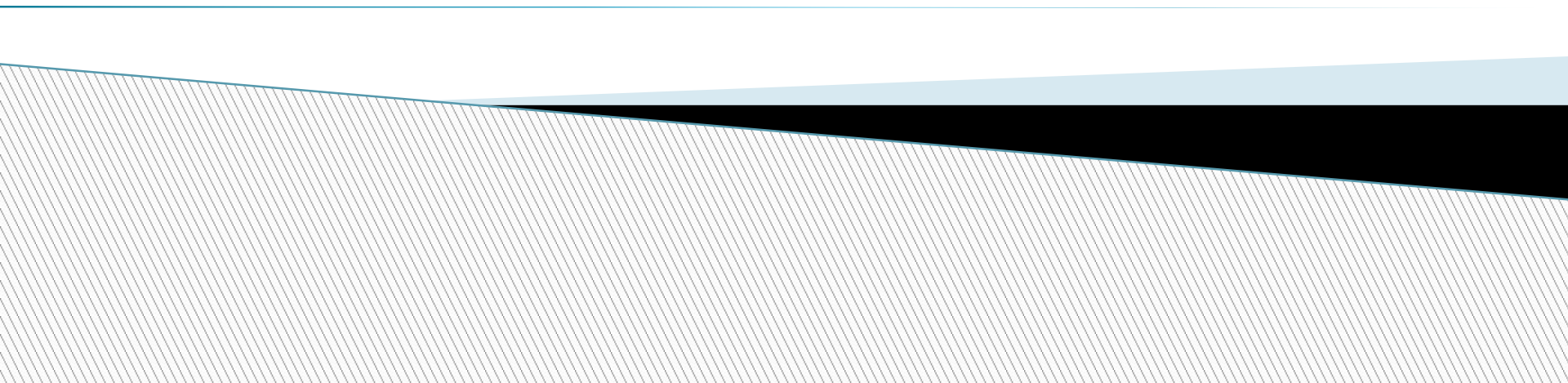
PEGI 3 ⓘ

Zainstaluj



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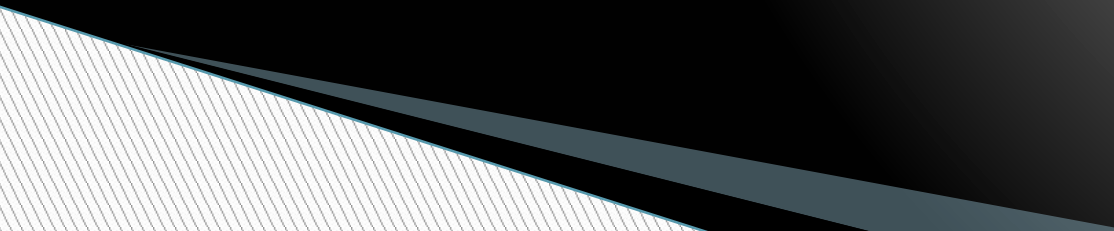
**As the example we have a way from  
the Suite Hotel Sofia to Boyana  
Church made by Sylwester Kolibabski  
by the use of AllTrails app.**







Primary education >>

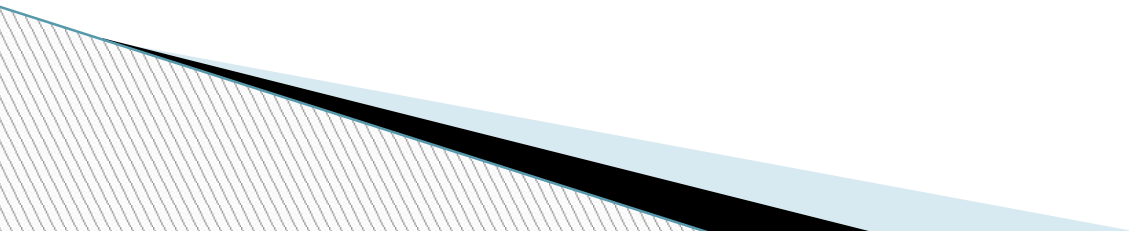


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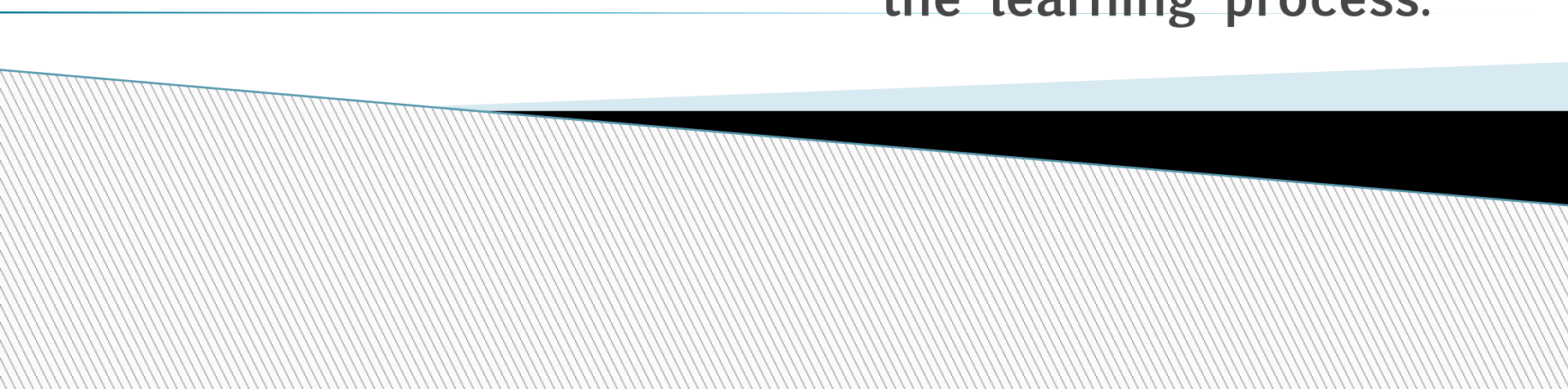


# National languages



**Digital Books make the learning  
process more interactive and  
engaging.**

Instead of listening to one person continuously talking, students can now actively participate in the learning process.



# The benefits of introducing

## **eBooks in education:**

### **Study Anywhere and Anytime:**

An eBook is easy to carry around. Instead of carrying a bag full of books, it is easier to carry a mobile device that supports eBooks.

### **Multiple Interactive Features:**

eBooks are not just plain reading materials, they have all the right tools to help students make notes and highlight content. eBook reading devices have a lot of interactive features, like annotations, pen tools, page zoom, search option, read aloud etc.

### **Save Printing Costs:**

eBooks do not require paper. Paper does not come into the picture. So, it saves all your printing related costs.

# Sli.do – questions, polls, quizzes, analytics

Active poll

Startup Room



Join at  
**slido.com**  
**#eventcode**

Passcode  
**alwaysbekind**

What are our greatest strengths as a company?

1094



- ▶ Educational software can be used in all lessons :
- YouToube - popular site in the world
- ▶ - the resource of songs, movies, stories, games, ...

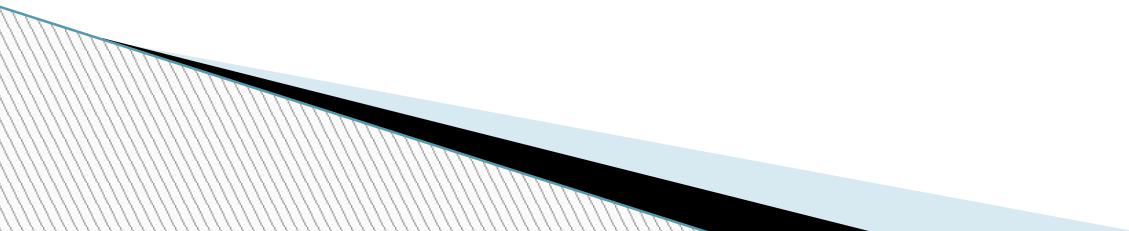
<https://www.youtube.com/watch?v=bn94PWEqFBc>



#OfficialRomanianFairyTales

BICICLETA ZBURĂTOARE | The Flying Bicycle Story in Romana | Romanian Fairy Tales

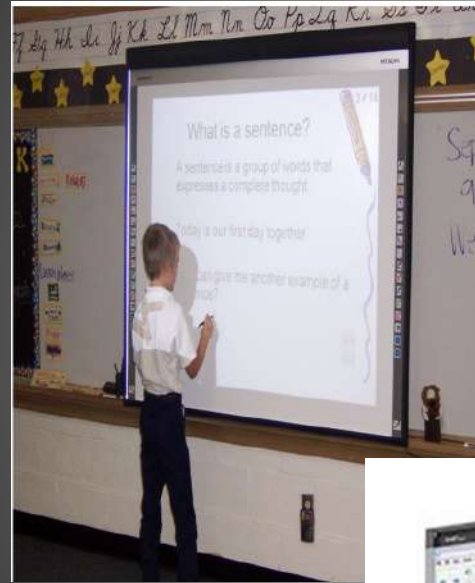
# Kindergarten



# Interactive whiteboard

Modern technologies in teaching  
known to us

One of the most popular technologies lately is the interactive whiteboard (IWB). It is a large interactive display in the form factor of a whiteboard. It can either be a standalone touchscreen computer used independently to perform tasks and operations, or a connectable apparatus used as a touchpad to control computers from a projector. They are used in a variety of settings, including classrooms at all levels of education.



# Modern technologies in teaching known to us

## Virtual glasses

The next one are virtual glasses. We can take students to visit a park, zoo or attraction and this is, of course, the perfect way to teach them about the world. But how can we extend that learning after the field trip is over and the memories begin to fade? Virtual glasses allows children to step back inside that experience and re-live the excitement. It also offers great potential to extend their understanding - remember that monkey we saw in the zoo? Let's see how it would look and behave in its natural habitat.



# Interactive floor

With the Interactive floor children can interact with the virtual world by the means of movement and game-play in a natural and fluid way.

Instead of learning how to interact with a user interface, kids can literally jump into the virtual projection, play and learn in a fun and exiting way.



# The most useful high-tech tools and technologies in the work of... teachers and resource teachers

The most useful high technologies used by our teachers are interactive whiteboards, programmable Bee bot toy, electric traffic lights and battery cars for road safety training.

Electric traffic lights and battery cars are attractive and preferred by children. They create an impulse for them to

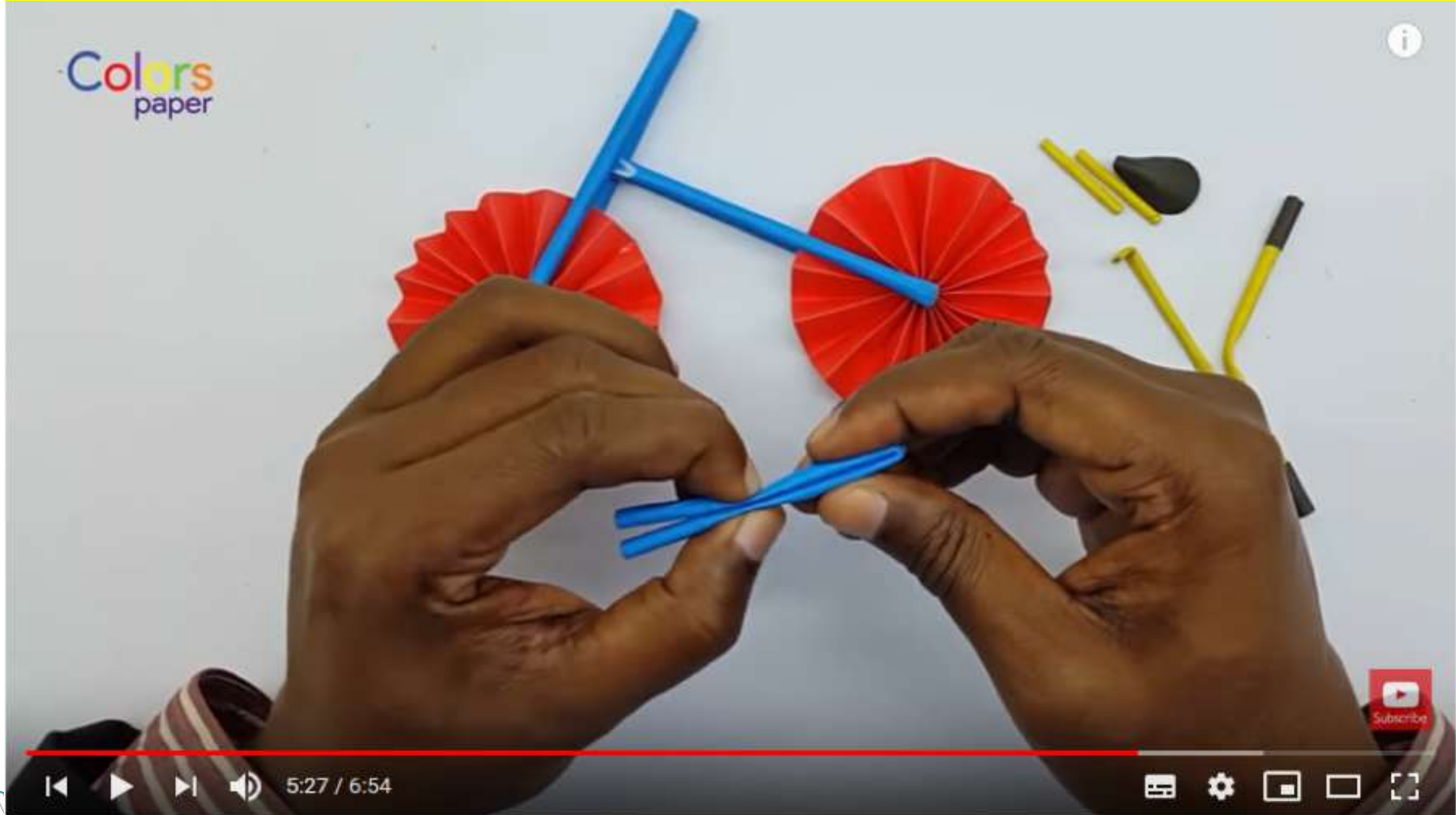


Bee-Bot is an exciting robot designed specifically for use children. This colorful, easy-to-operate, and friendly little robot is a perfect tool for teaching sequencing, estimation, problem-solving, and just having fun!

Children want to use Bee-Bot over and over and are inspired to enter ever more creative and complex command sequences. In this youtube video you can see how it's used by children

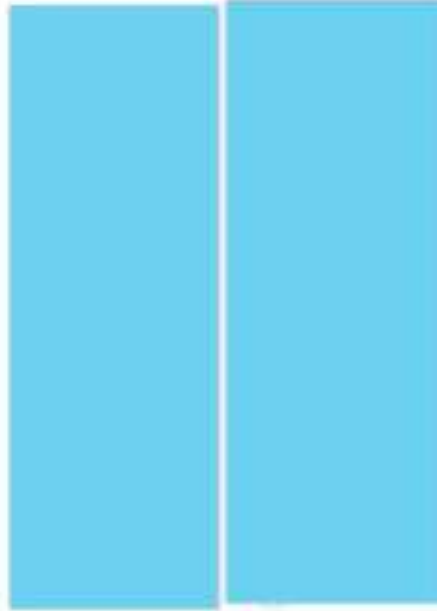
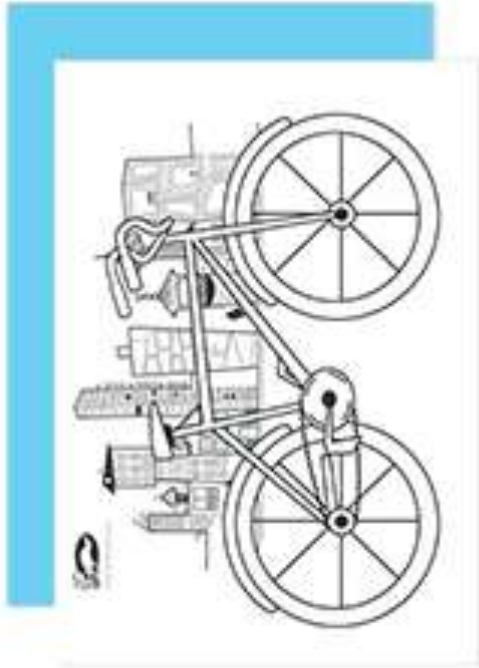
# Arts and crafts

<https://www.youtube.com/watch?v=CatJ8n66ES0&list=PLF-McTzDhBysqX7OQ0YYZU7AdCzKF60Bc>



How to make a Bicycle using colors paper | DIY Paper Cycle and Paper Bike

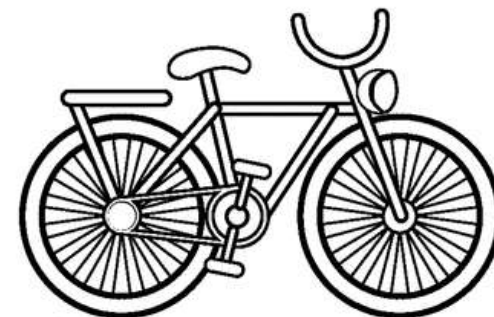
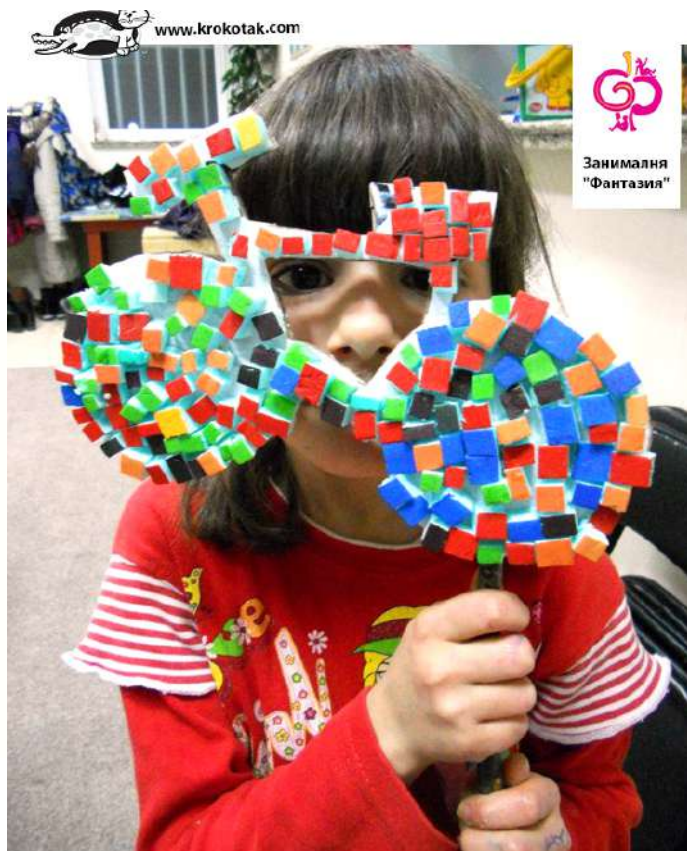
**krokotac - site used in lessons for drawing or practical skills**



[www.krokotak.com](http://www.krokotak.com)

# students working in class on their project





didactic.ro- a site dedicated to teachers with lesson projects, ppt or informative materials that can be used within the lessons

- ▶ <https://www.didactic.ro/materiale-didactice/miiloace-de-transport-115>



1.

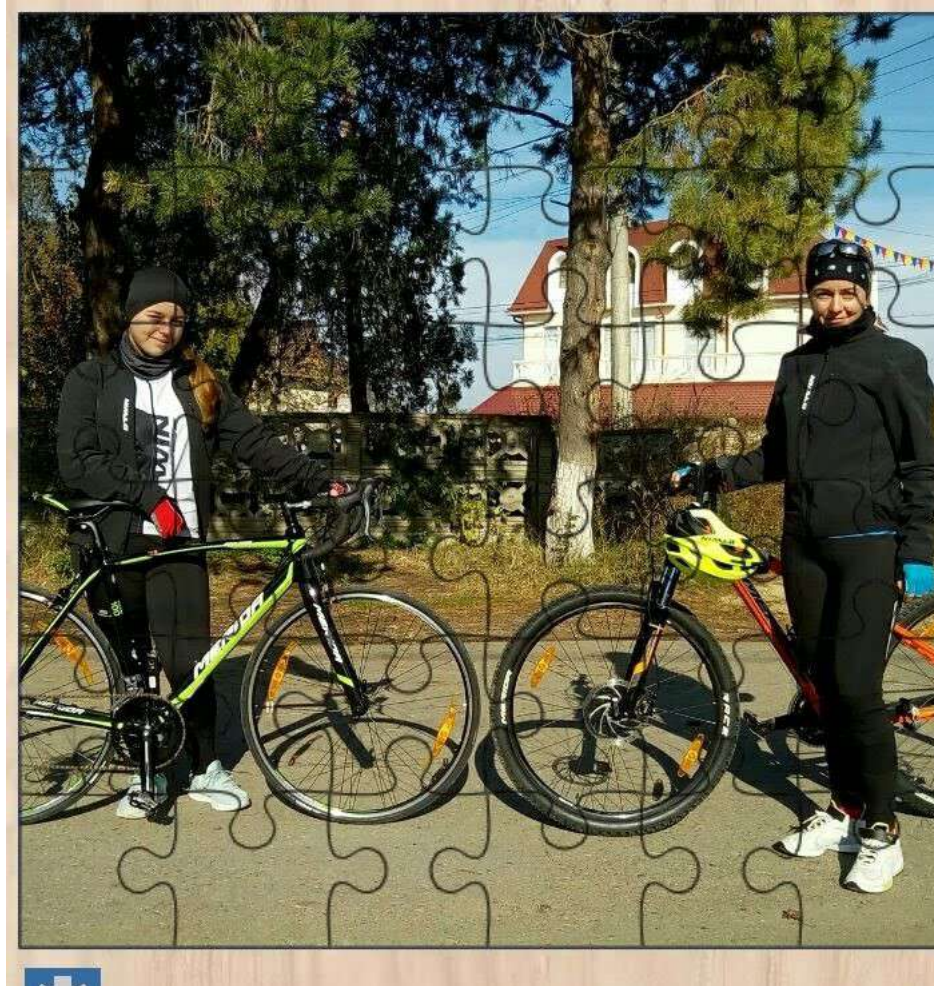
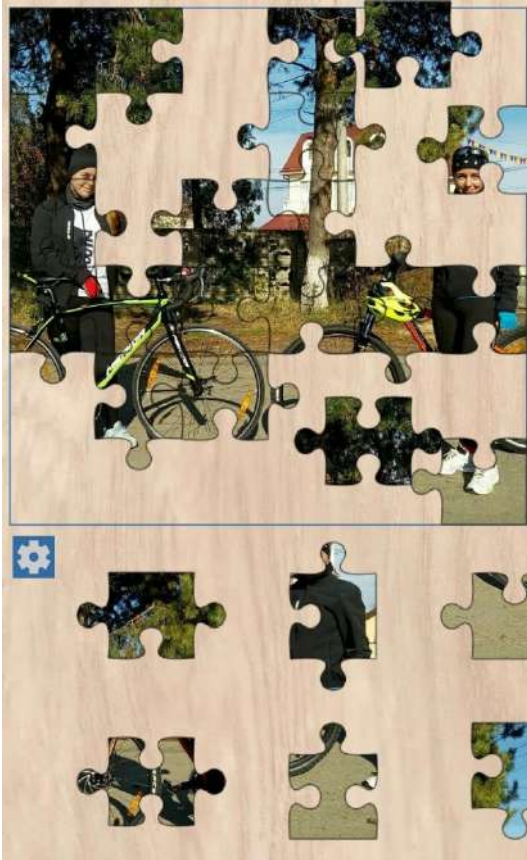


2

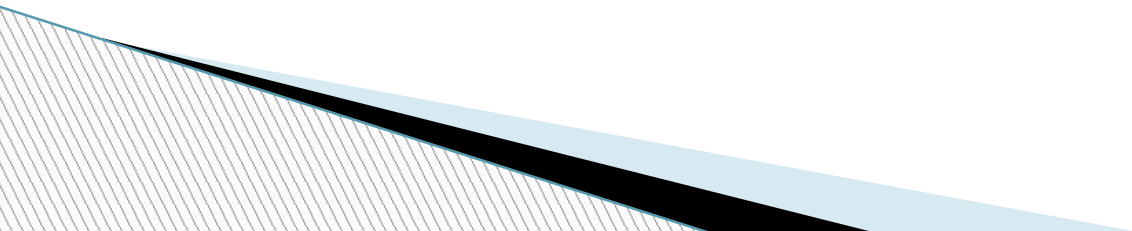
- ▶ <https://www.didactic.ro/materiale-didactice/bicicleta-mijloc-de-transport-ecologic>

# Creating PUZZLES

## Jigsaw Puzzles



IT



# Smart indoor trainers



# Smart indoor trainers [bkool.com](http://bkool.com)



# Smart indoor trainers – rou

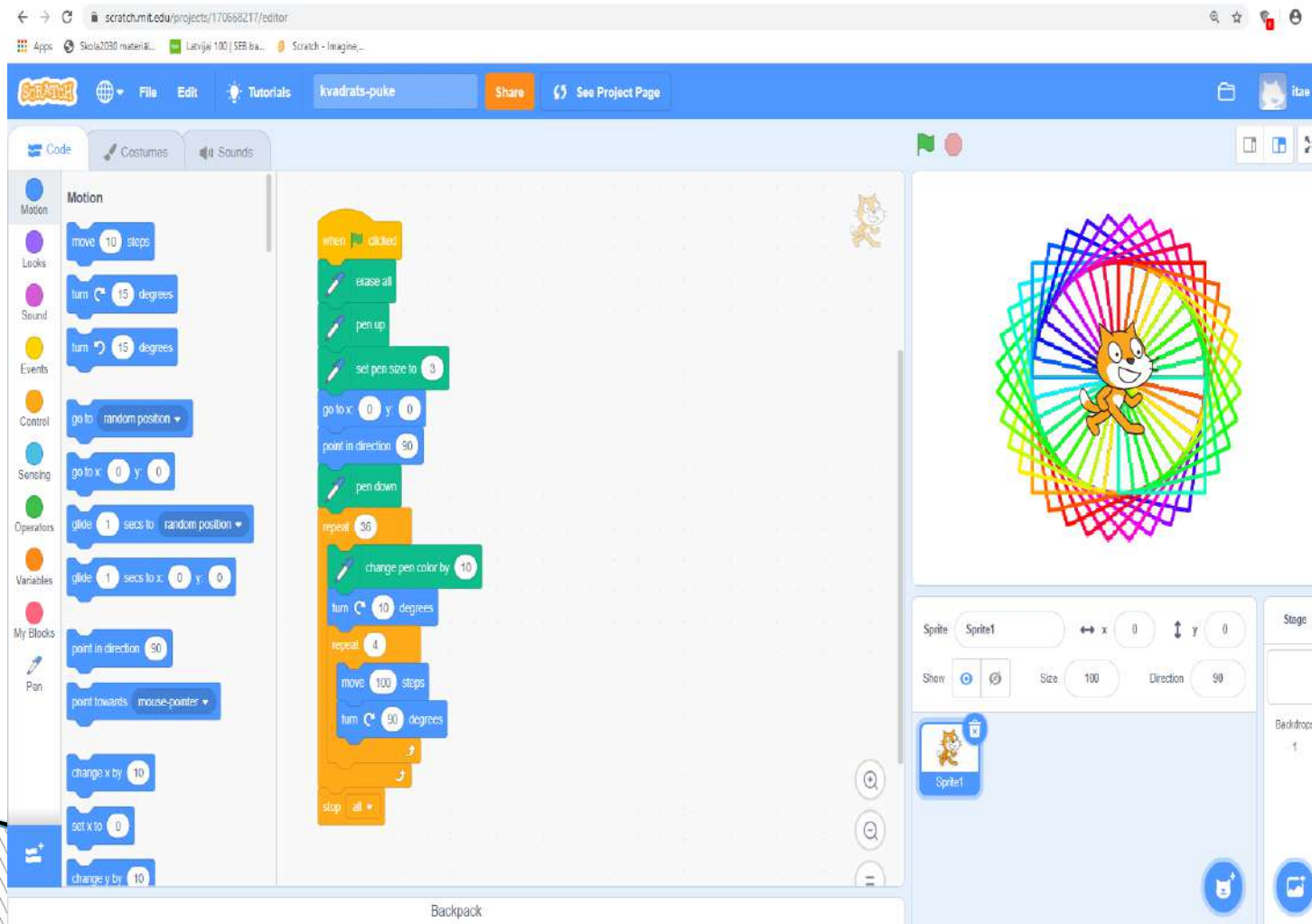


# Go pro camera

- ▶ Geography,
- ▶ Biology - botanics



# scratch.mit.edu



# <https://www.flickr.com/>

Apps Skola2030 materiāls... Latvija100 | SFB ba... Scratch - Imagine...

flickr

You

Explore

Prints **NEW**

Get Pro

Photos, people, or groups



About

Photostream

**Albums**

Faves

Galleries

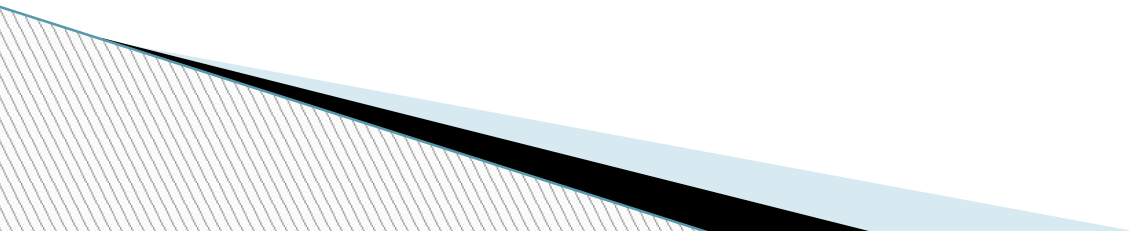
Groups

Stats

Camera Roll



# Tools used in more than one subject



# Google.doc – history, geography, biology

docs.google.com/document/d/17yn\_jep\_zg5OUjzAqjchTAbuClJfYq?wM439zW\_Hs/edit

Mobility to Latvia 01.04.2019-05.04.2019.

Fails Labot Skatīt Ievietot Formāts Rīki Papildinājumi Palīdzība Pēdējoreiz rediģēts šādā datumā: 12. marts.

Kopigot

100% Parasta tek. Arial 11 B I U A

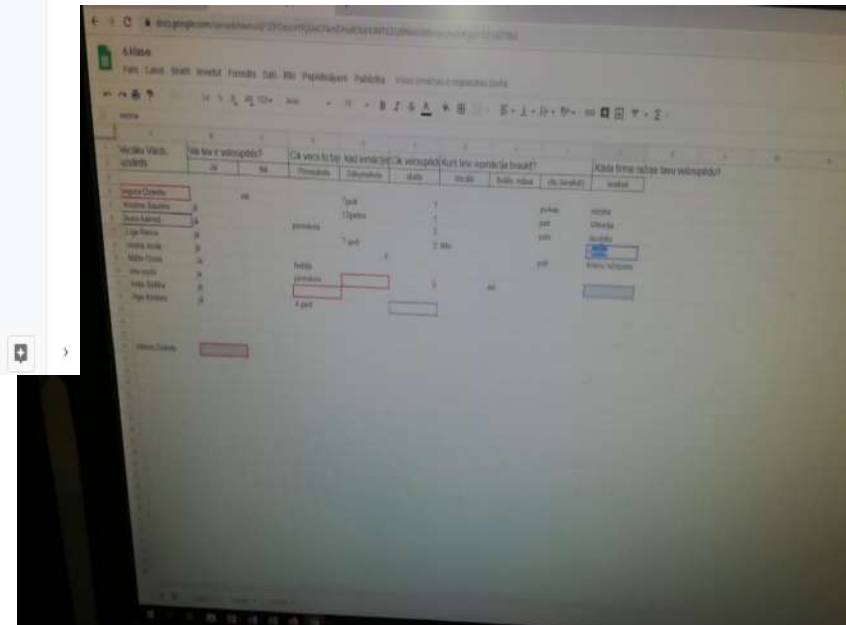
Rediģēšana

Kontūra

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| 6.  | Romania | student            | MIHAI VIOREL                   | in family                                        |                                               | Frankfurt - Rīga : 20.40 - 23.40 ( 31 March 2019)         |
| 7.  | Romania | student            | RAJA BIANCA                    | in family                                        |                                               |                                                           |
| 8.  | Romania | student            | COCOS ANA                      | in family                                        |                                               |                                                           |
| 9.  | Romania | student            | BALTAC ELENA                   | in family                                        |                                               |                                                           |



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[ascunde]

De la Wikipedia, enciclopedia liberă

O **bicicletă** poate fi definită în general ca fiind un **vehicul** rutier cu două roți așezate în linie una în spatele celeilalte, puse în mișcare prin intermediul a două pedale acționate cu picioarele. Se estimează că mersul pe bicicletă este de trei ori mai eficient din punct de vedere energetic decât mersul pe jos, iar viteza este de trei - patru ori mai mare.

Fiind inventate în **Europa secolului 19**, bicicletele sunt acum în număr de peste un miliard, asigurând în multe regiuni mijlocul principal de **transport**. Ele sunt de asemenea foarte populare ca mod de **recreație**, și au fost adaptate pentru folosință în multe alte domenii ale activității umane cum ar fi cel al jucăriilor, fitness, aplicații militare, servicii de curierat și **sportul** numit **ciclism**.

Forma și configurația de bază a cadrului, roților, pedalelor, șezutului și a ghidonului au suferit doar mici schimbări din 1885, când a fost construit primul model cu lanț, cu toate că multe detalii importante au fost îmbunătățite, în special odată cu apariția materialelor moderne de fabricație și a proiectării asistate de calculator. Acestea au permis răspândirea modelelor speciale pentru cei ce practică un anume tip de ciclism.

Bicicleta a influențat istoria în mod considerabil, atât în domeniul cultural, cât și în cel industrial. În anii de început, construcția bicicletelor s-a inspirat din tehnologiile deja existente, dar în ultima vreme bicicleta a contribuit la rândul ei la dezvoltarea tehnologiilor, atât în vechile domenii, cât și în altele noi.

Germania face un pas important în dezvoltarea transportului verde, intenționând să construiască prima autostradă pentru biciclete de pe teritoriul său.<sup>[1]</sup> De curând, a fost deschis publicului primul tronson al șoselei, măsurând 5 kilometri.<sup>[1]</sup> În momentul în care va fi finalizată, autostrada va avea o lungime de 100 de kilometri.<sup>[1]</sup>

Cuprins [ascunde]

1 Istoric

2 Aspecte tehnice

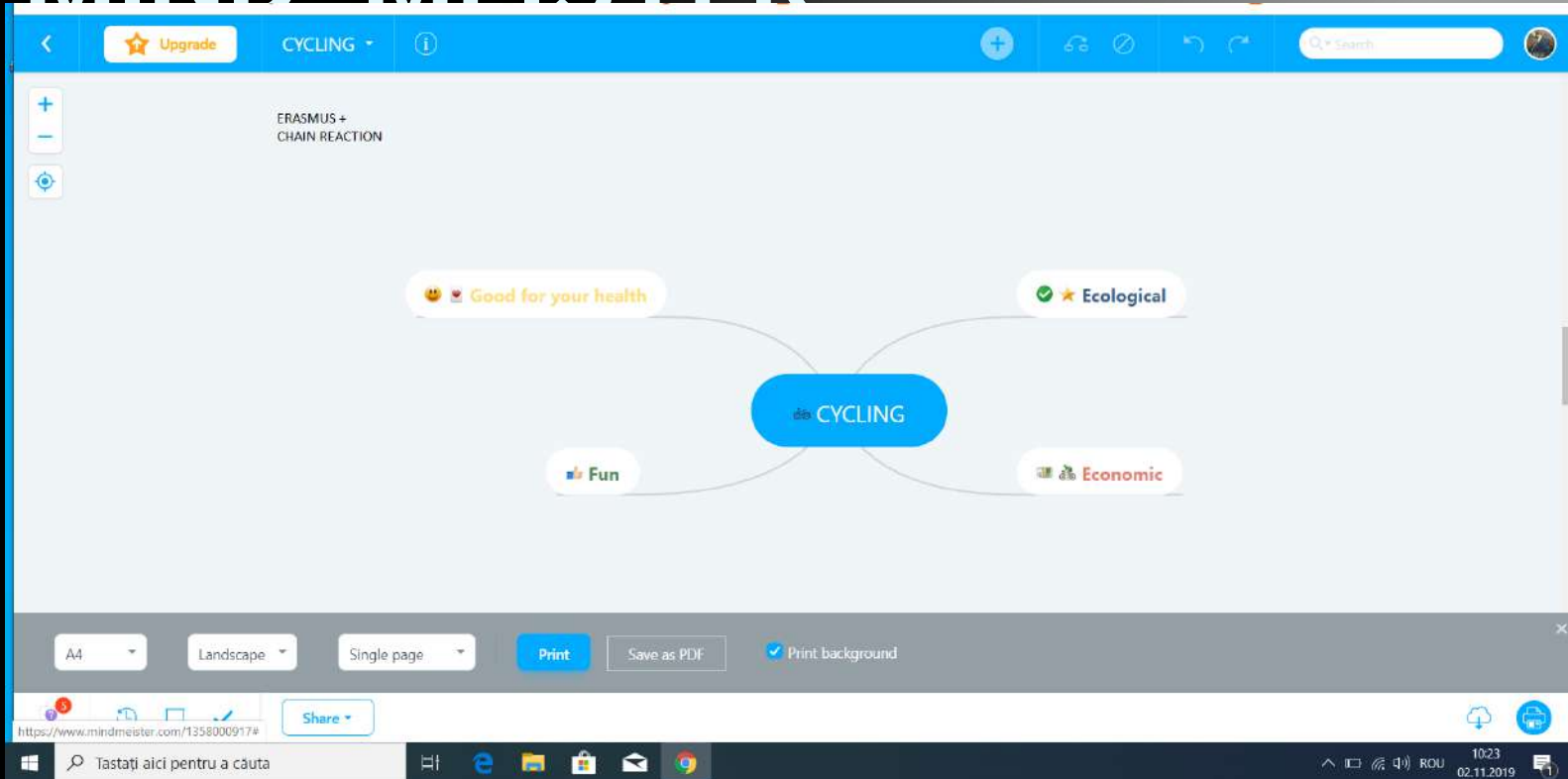
Portal Bicletă



Pedala bicicletei - 3D



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