

DISTRACTION

ACTIVITY 1

When you're looking down at your phone, you fail to see the things that happen around you. In fact, texting while walking reduces your peripheral vision to one-tenth of its normal range. This might be okay if you're in bed or on the couch, but this can be fatal at level crossings. So, look up from your device, see more and stay safe.



SUBJECT



Physics Math Geography History Social Studies

MATERIAL

- ✓ **Microphones - recording app**
e.g. Keezy app
(Keezy is a musical instrument for toddlers, professional musicians and everyone in between! You get 8 colored tiles. You can record a sound into each one. After recording, tap the tile to play it back, or press & hold to loop)

OBJECTIVES

- Show students what are the main forms of distraction while driving or as pedestrian
- Inform them about statistics regarding distraction as a cause of road traffic accidents
- Mobile phone use and music as main distraction factors

ACTIVITY OUTLINE

Step 1: Starting

In groups, students will download the app "keezy" to create a musical base. This app consists on creating a musical base made with body sounds: hands, mouth, etc.

Step 2: Composing

Once done the musical base, students in groups will create the lyrics of the song thinking about the most important distraction elements on road safety with the objective to minimize the distractions.

Step 3: Title competition

Students will decide different titles for the products made. In groups, they will decide which is the best title that fits to their song.



IN CLASS ACTIVITY

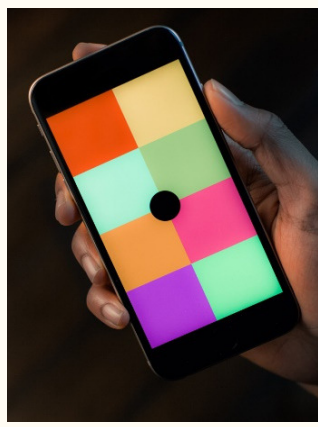


Figure 1. Keezy app

Step 4: Go on scene

Once the song is created and titled, it is time to go on scene! Student will sing the result and they will record themselves. The song can be uploaded on the school's YouTube page.

Step 5: Dissemination at school

In order to inform all school students about distraction in traffic, participants can sing the final songs created into the different class levels. Parents will also receive the final songs created through the KROS website.

JOIN THE NETWORK!

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KROS PARTNERS



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DISTRACTION

ACTIVITY 2

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SUBJECT



Art



Technology



Computer
science

MATERIAL

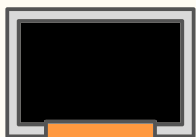
- ✓ pens, paper
- ✓ **computer program for drawing/designing** (optional, the project can also be developed on paper)
- ✓ **Posters and Videos** (Links and sources provided below)

OBJECTIVES

- To raise awareness on the weaknesses of human senses and its impact on road safety.
- To remind the participants how the human senses work and how they influence behaviour in traffic.
- To familiarize the students with different forms of approaching road users.
- To expand critical thinking and creativity (skills to use designing tools).
- To strengthen the skills of planning.
- To develop skills of working in group cooperation with local administration.
- To argument own opinions.

The teacher determines the details of the lesson, the course and duration of individual parts.

The whole activity can be extended into a wider project that can be taken up by the class and could last for the whole school year. The 3rd part of the activity can be implemented individually or in groups. To understand 3rd and 4th parts, the assistance of teachers, school authority and other units responsible (e.g. road infrastructure units) is necessary. 3rd part can end with the development of the project. 4th part can end with presentation of the projects in the class, town/city hall, local cultural house, local media etc. without collection of sources for implementation.



IN CLASS ACTIVITY

ACTIVITY OUTLINE

Step 1:

Introduction of the topic to the class by the teacher (this part can also be implemented in the form of questions asked to students).

We can mention the following “traditional” senses that we use in everyday life:

- Vision - sight / light recognition (brightness) and color
- hearing – recognition of the intensity and sound frequency
- taste – recognition of flavors: sweet, salty, sour, bitter (and others)
- sense of smell
- sense of touch – provides information about the texture, shape and size of items

We are currently living in a world of fast moving information, media hype and frequent changes in the environment. Many people are overstimulated. There are lots of messages that need to be selected, therefore we catch negative information first. There is a simple explanation – we need to quickly select them in order to protect ourselves against the threat. However, it happens that we are not able to assess the situation fast and well.

During everyday trips, traffic participants are prone to many distractions. Most often they are:

- turning sight away from the road (visual way)
- thinking about other things (cognitive way)
- doing several things at once (physical way)
- external stimuli (e.g. noise)

The most frequent distractions include:

- mobile phones
- listening to music
- and eating

One of the basic senses which helps us in traffic is vision. However, there are situations in which it is unreliable, deceiving or requiring more time to understand what is happening (Show the examples of optical illusions at the end of this activity sheet).

These pictures are just funny and an exercise for the eye. In road traffic, time to decide and take an action is usually very short. This is the reason why we should be even more alert. The phenomenon of optical illusions (misinterpretation of the image by the brain under the influence of contrast, shadows, colors that bring the brain into a wrong way of thinking) and generally influence on perception is used by the originators of various actions to improve road users' safety.

Look example at the following two Road Safety Campaigns : WHO Decade of Road Safety poster related to visibility on roads (left) and “We are not able to focus on several things at the same time” – THINK poster! (on the right).



These solutions are not only static elements, but also have a more usable character. They concern the behavior of various traffic participants, e.g. drivers (limiting the vehicle speed; forcing the vehicle to stop), pedestrians (safety on the crossing), etc.

Examples of solutions:

- **Pedestrian crossing – influencing the behavior of drivers:**

- https://www.youtube.com/watch?v=wLg9Tr1_fNU
- <https://www.youtube.com/watch?v=EU8CvP-S-mY>
- <https://www.youtube.com/watch?v=R1SQcXhqefs&t=18s>
- https://www.youtube.com/watch?v=ZdEZZkw9_1k
- <https://www.youtube.com/watch?v=Zgdw0XelgnE>
- <https://www.youtube.com/watch?v=vEgzRCN5Mcw>

- **Pedestrian crossing – influencing the behavior of pedestrians:**

- https://www.youtube.com/watch?v=SB_0vRnkeOk
- <https://www.youtube.com/watch?v=FPcWiwQCXRk>
- <https://www.youtube.com/watch?v=OhEBE48yX1M>

- **Speed limit:**

- <https://www.youtube.com/watch?v=HRuV8xVUu44>
- <https://www.youtube.com/watch?v=8r26AwT7PTM>

Step 2:

The teacher starts a discussion with participants on the above solutions (and other solutions found by the teacher). Teacher asks the students:

- Do you have any experience with similar solutions?
- Are these solutions interesting, effective, safe? Why? Why not?
- Is it worth exploiting such solutions that use optical illusion or affect other senses in your area? Please, list possible locations and target groups of such solutions.

Step 3:

Students (individually or in groups) develop a draft of the solution they would like to implement in their area and they analyse the possibilities of its implementation: choice of location, target group, duration, action plan, costs, evaluation, division of tasks, SWOT (strengths-weaknesses-opportunities-threats) analysis.

For younger students, this part may end with the development of the project.

Step 4:

Students present their proposals in the classroom, school, town/city council, etc. They develop the evaluation criteria of the solution. They choose the best solution, e.g. by voting. They develop a strategy and undertake actions to implement their idea.

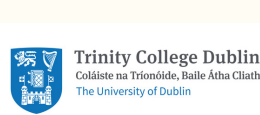
For younger participants, this part may end with the presentation of projects on the class forum.

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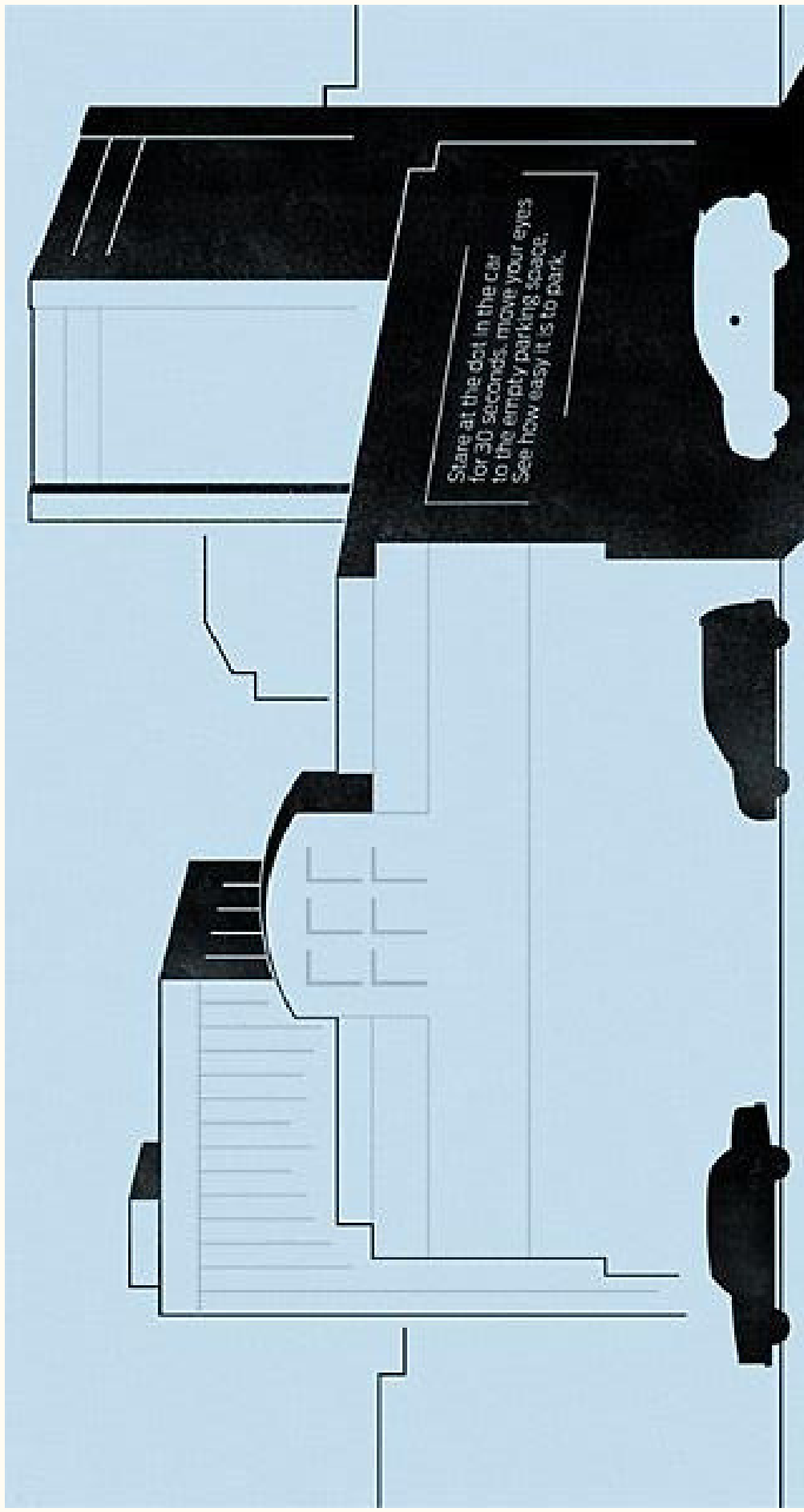
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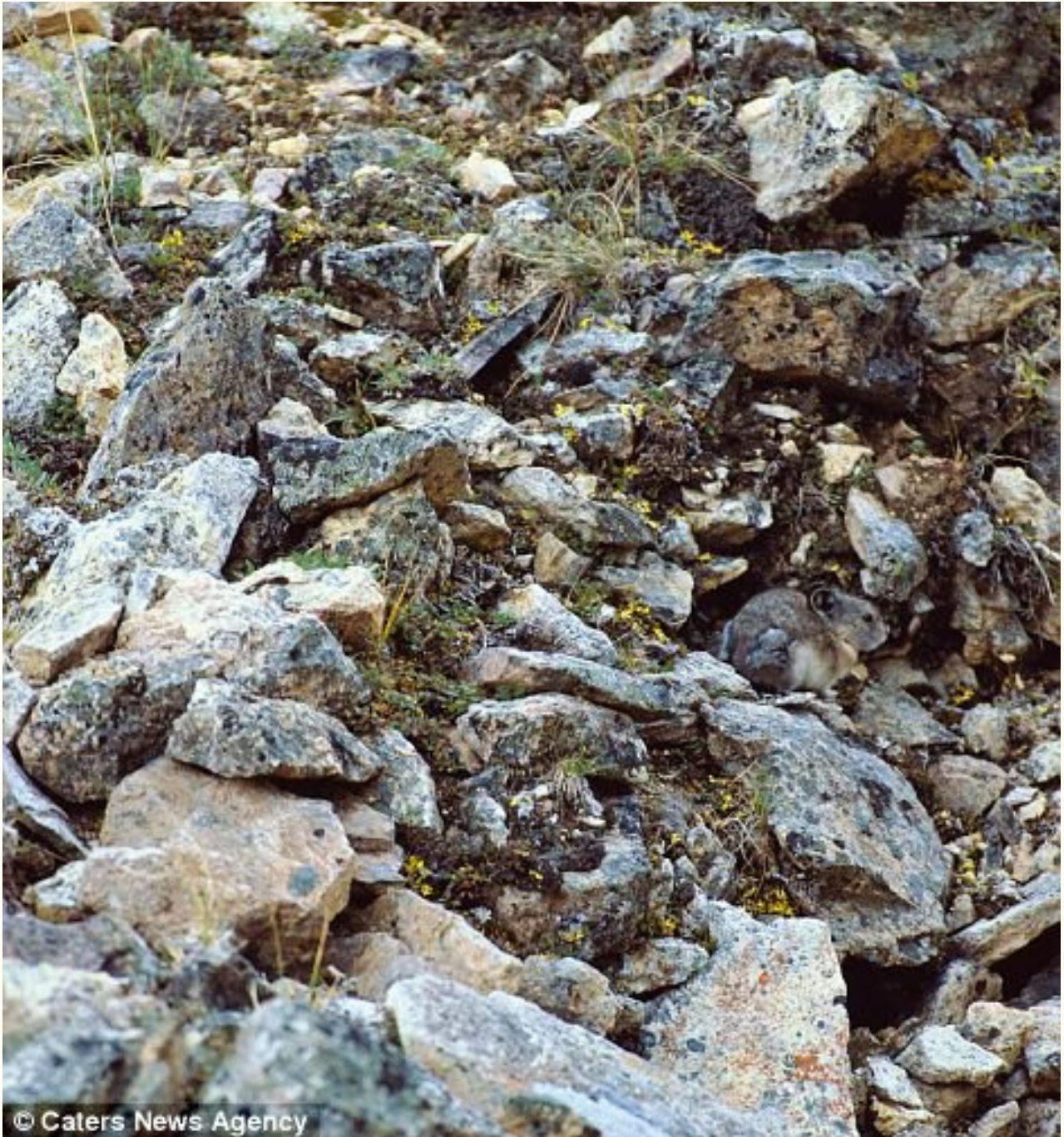


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Stare at the dot in the white car for 30 seconds. Move your eyes to the empty parking space. See how easy it is to park.



Can you spot the animal?

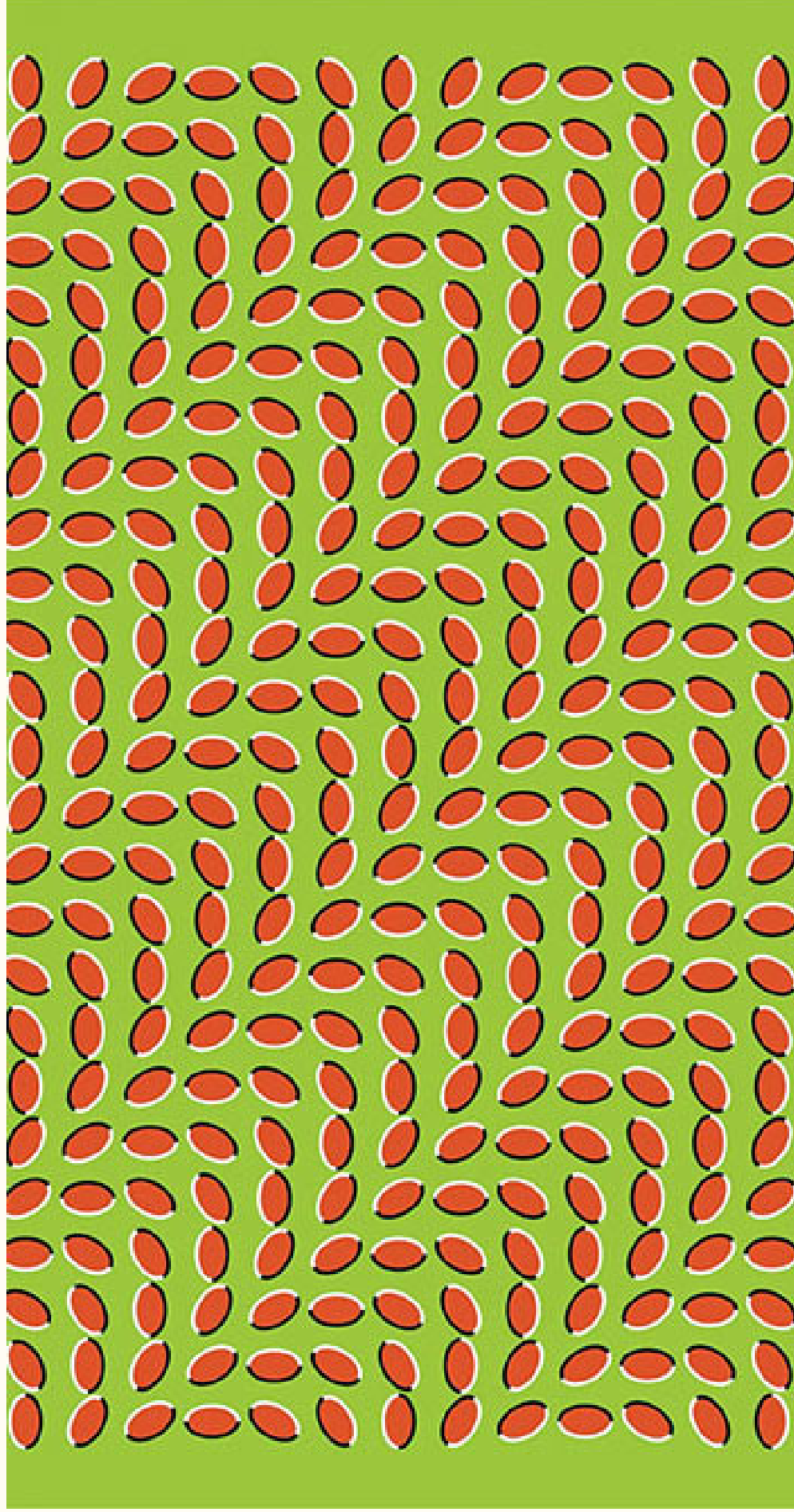


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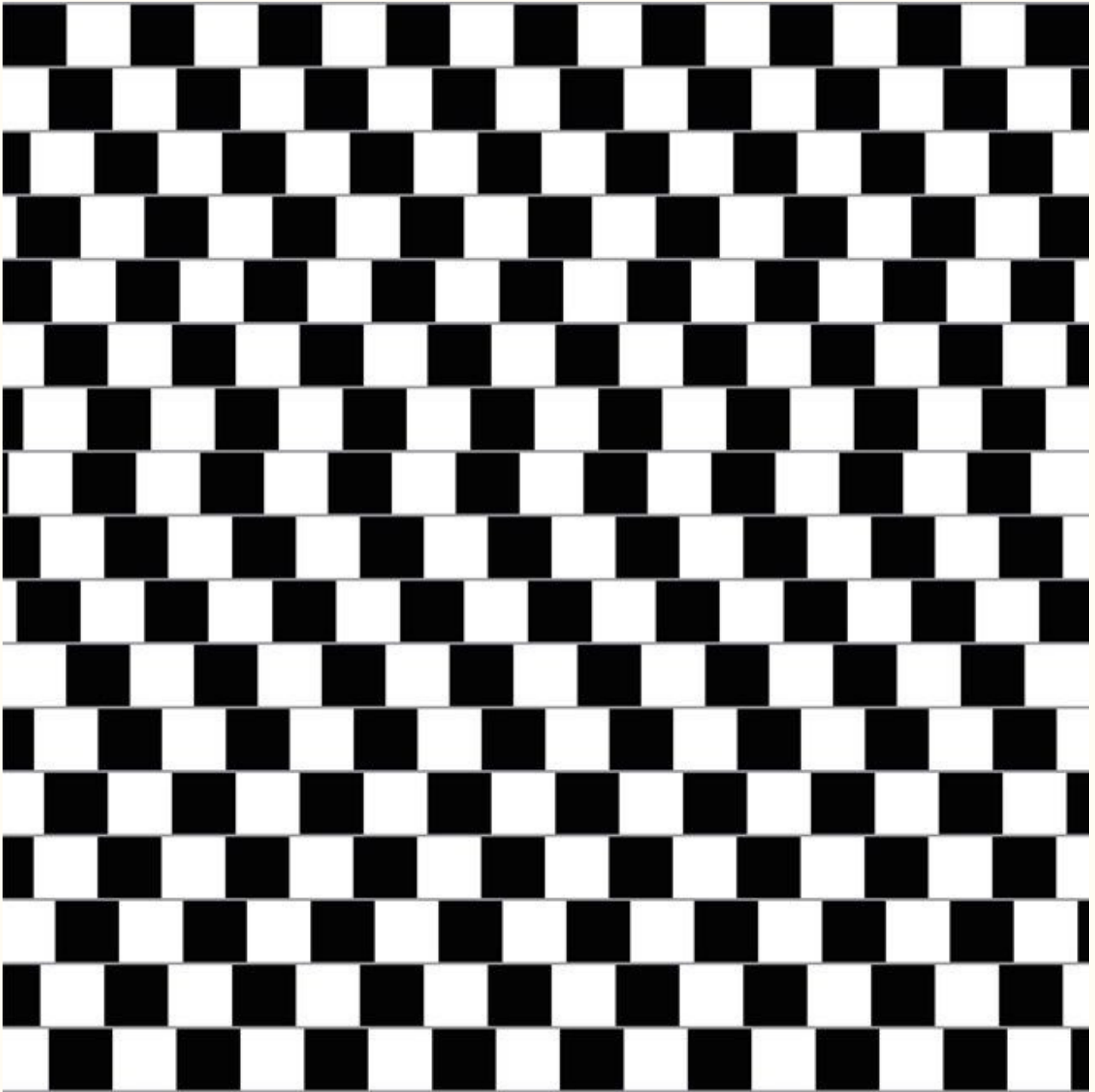
Does the girl fly?



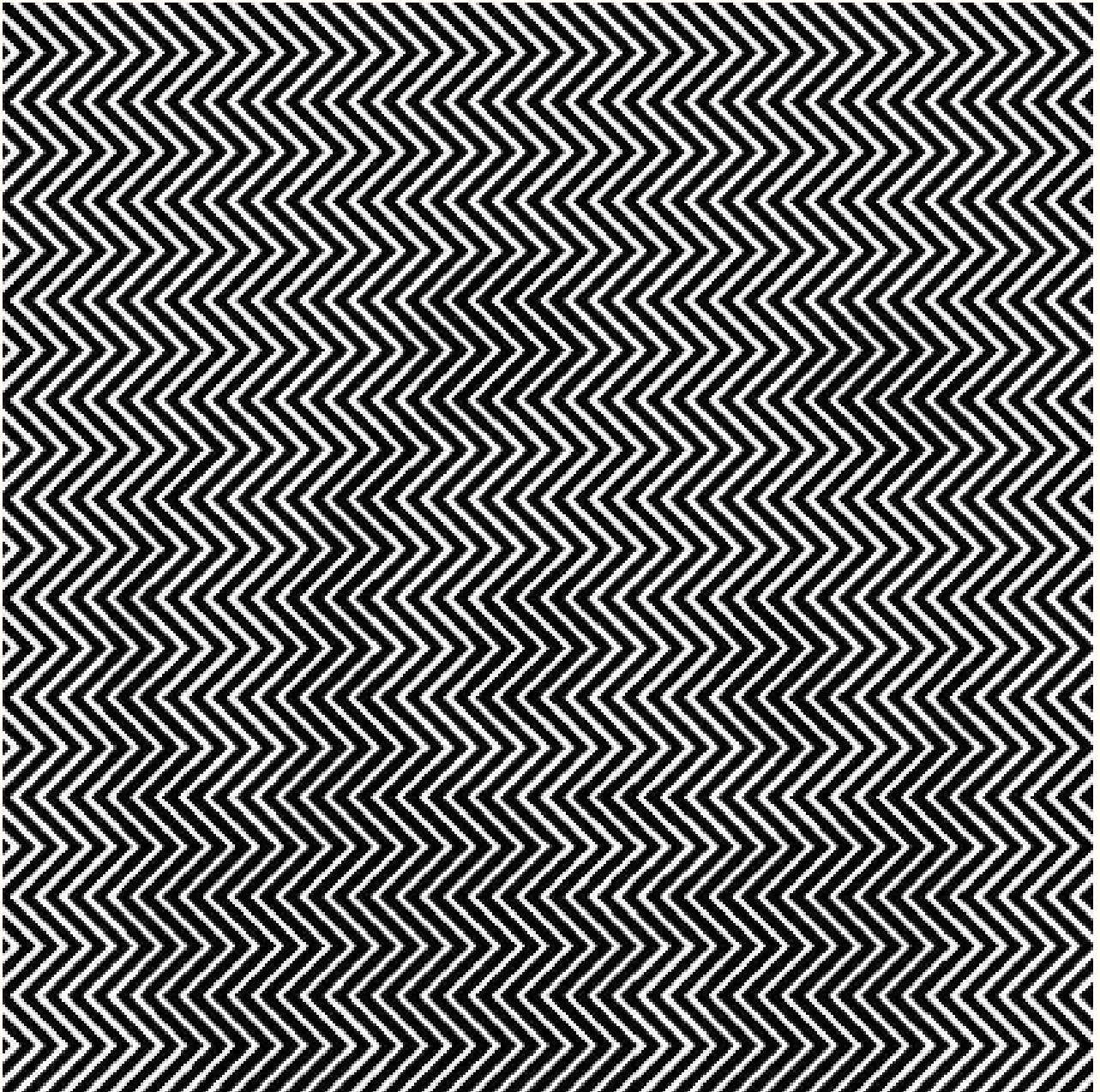
Does the pattern move?



Does the pattern move?



Can you spot the Panda?



DISTRACTION

ACTIVITY 3

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SUBJECT



Art



Computer Science



Social Studies

MATERIAL



Digital platform for the creation of playful content genial.ly

OBJECTIVES

- Show students what are the main forms of distraction while driving or as pedestrian
- Inform them about statistics regarding distraction as a cause of road traffic accidents
- Mobile phone use and music as main distraction factors

ACTIVITY OUTLINE

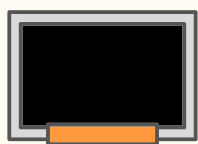
This activity consists of creating a virtual role-playing game with one objective: educate an invented avatar who does not know anything about road safety education through challenges and games that are proposed to him/her.

These games and challenges will be the guiding thread of the whole game. Different situations will be proposed in which ones the player will have to decide what the avatar does in relation to the situation.

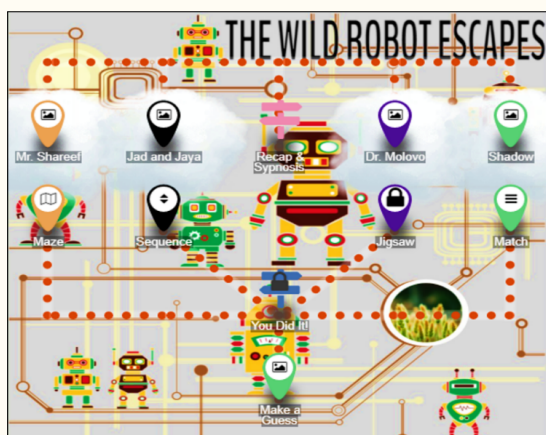
For example: The avatar is in front of a pedestrian crossing and he/she has to decide:

1. Check if cars pass and cross the street or not
2. Cross without looking because he/she is talking to his/her friend...

The idea is to look for the maximum possible situations of distraction in traffic and give the student the right option to choose. As the screens go on, the avatar will learn things and will grow and understand the safety importance.



IN CLASS ACTIVITY



Some examples of possible distraction situations that will appear in the game:

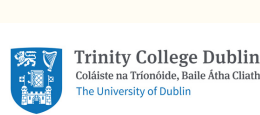
- Cross the street without looking
- Talk to the driver while driving
- Run down the street
- Do not use the zebra crossings
- Talk on the mobile when we are on a busy street

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