

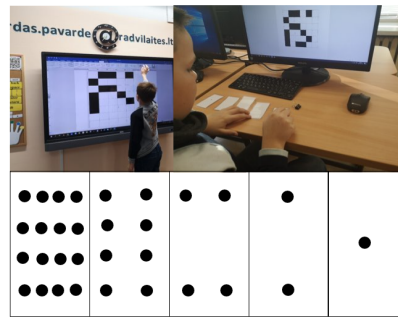
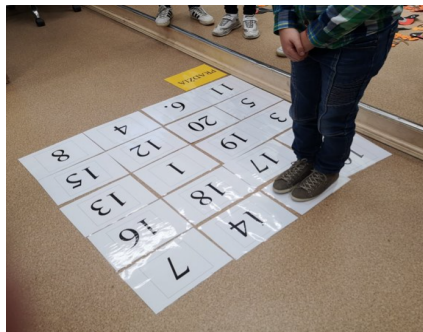
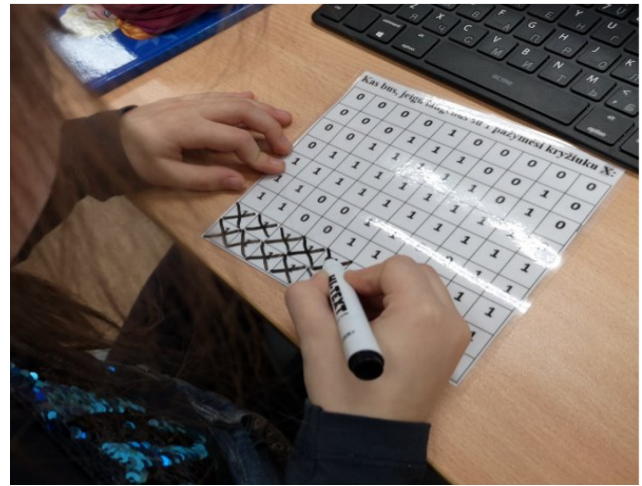
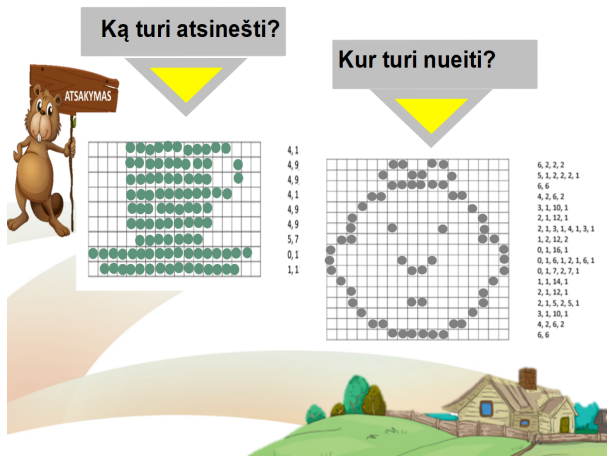
Vilnius Barbora Radvilaite progymnasium, Lithuania

Computational Thinking of primary school

- In 2017 the school started the path of IT – oriented education at primary school. We experienced a special success when in 2018 we became one of a hundred schools in Lithuania that were involved in the project „Informatika pradiniam ugdyme“ which was initiated by the Lithuanian Ministry of Education, Science and Sport. We contributed to development and testing of the content of Informatics at primary school. Currently, at our school students learn Informatics, as a separate subject, from the 1st Grade. Moreover, Informatics is integrated into all subjects at primary school.



- Our children are taught Informatics even without digital devices. One successful tool, that is used till now, is a book „Informatika be kompiuterio“. By completing the tasks students learn the basics of programming and algorithms, also they apply binary numeral system, code and create coding tasks themselves. The most fun for the students is to become robots and complete commands created by a friend.



- Bebras cards are used in different lessons and different subjects. While integrating Informatics the main character of the cards (a beaver) has become a friend for the primary school students. There are teachers who create tasks for their lessons that are based on Bebras cards principle. We have digitized the cards and it is really convenient to use them during the lessons while working with an interactive whiteboard. Until now, we participate in the international competition „Bebras“.

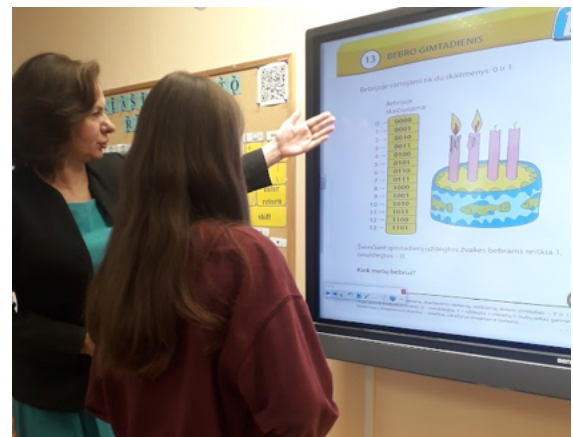
What is the topic of the lesson?

The wheel is programmed to stop spinning according to the following rules:
 1-st time skip one space.
 2-nd time skip to spaces.
 3-rd time skip three spaces and so on.

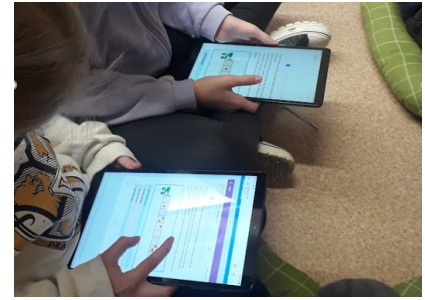
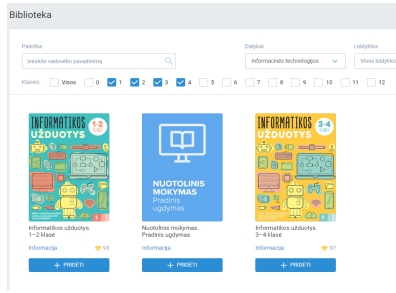
The first letter of the word is- „Ž“. Read the word.

The answer: „Žinduoliai“ (mammals)

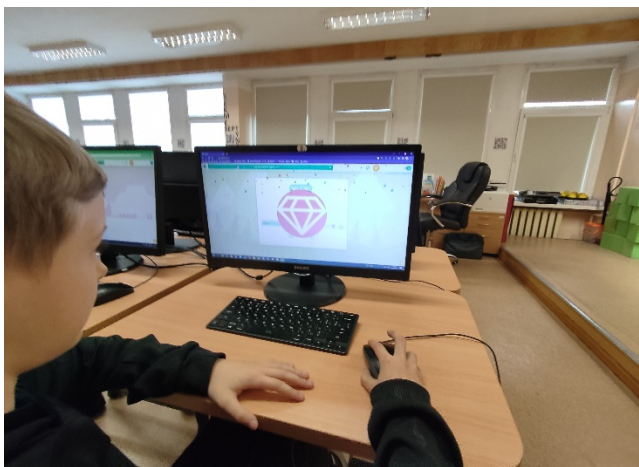
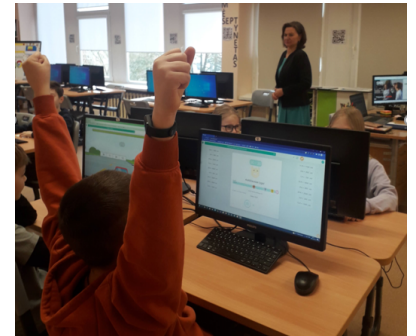
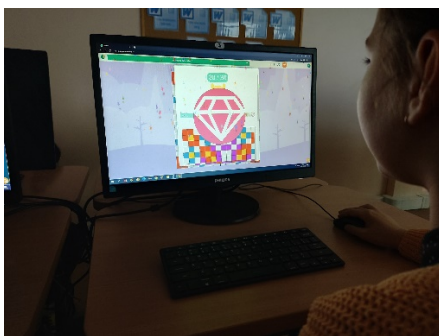
According to "Bebras" game cards for the development of informational thinking



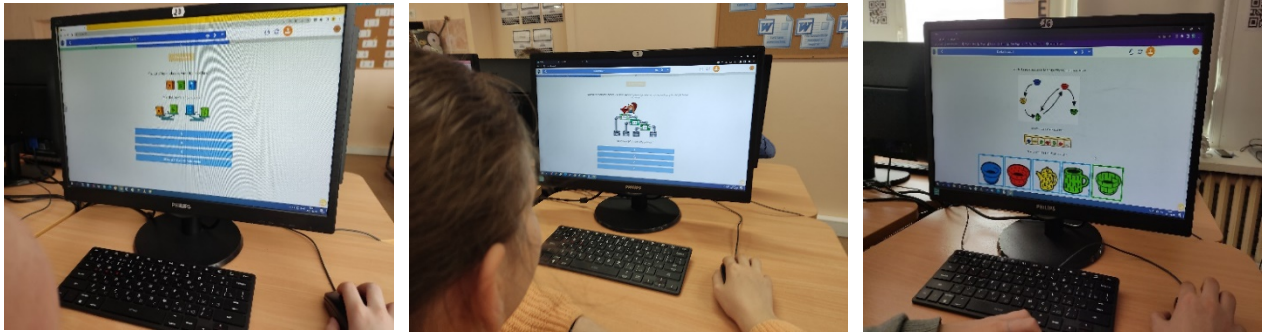
- Eduka is the first digital platform where we started learning in 2016 and we use it till now. Despite the fact that the platform is paid, the school provides licences for the primary school students for the entire school year. There is created a tasks bank for all the subjects including and Informatics. On this platform teachers may find recommendations how to develop computational thinking of primary school students from the 1st Grade.



- Now it is possible for all students of our progymnasium to learn Maths on the Eduten platform. One lesson per week students from the 1st till 8th Grades learn Maths in the IT classroom or with tablets. We are happy about the results of participation in the project. Game – based, digital and engaging tasks in the virtual learning system „Eduten Playground“ significantly motivate our students, what is more it improves their mathematical literacy (the accuracy of completed tasks is 87%). Learning in the Eduten Playground system is successful in both, distance and contact learning.



- In 2022 we had an opportunity to try computational thinking tasks for 3 – 4th Grades students on Ville platform. The most enjoyable activities were programming and algorithm. The presentation of the tasks in English did not make any difficulties for the students. If it was difficult to understand the task, students translated it into their native language. Our 1st and 2nd Grades students were also able to complete some of the tasks.



- In this school year Science lessons for 3 – 4 Grades students are based on educational materials created by the „Minecraft Educational Edition“.



- Our biggest ambition this year is the initiation of a new – long term project IT KODAS. The aim of the project is to develop the digital competencies of all teachers who work in our progymnasium. Also, to stimulate teachers‘ shared leadership. Today teachers from various Lithuanian schools join the project’s activities. Virtual – integrated lessons are organised so we make an opportunity to learn Informatics for a dozen classes in the republic at the same time. On the 27th of April a republic conference IT Kodas for 3 – 4 Grades will be organised.

IT k0das
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TO IMPLEMENT

A long-term project for 1-8 grade students „IT CODE“.
We learn from each other (working with digital programmes)

TO CONTINUE ACTIVITIES

Open informatics lessons for 1-4 grade students (students from various schools of Lithuania participate in a virtual lesson at the same time).

TO DEVELOP

bebras eduten
VILLE micro:bit
MINECRAFT
eduka KLASĖ Office 365

TO ORGANIZE

On April 27th at Vilnius Barboros Radvilaitės Progymnazia informatics conference for 1-4 grade students „IT CODE“ is organized.