

Funded by the European Union



Inquiry-based learning (IBL) project's implementation report from Aizkraukle novada vidusskola teacher Kristine Balta *Reverse vending machine - deposit return*

system





VILKAVIŠKIO RAJ. PILVIŠKIŲ "SANTAKOS" GIMNAZIJA







ŠALČININKŲ RAJ. EIŠIŠKIŲ STANISLOVO RAPOLIONIO GIMNAZIJA

Part I. IBL project metadata

- 1. IBL project theme Reverse vending machine (deposit return system) and usage of it in our neirbourhood
- 2. Teacher's Name Surname, School Kristine Balta, Aizkraukles novada vidusskola/ Aizkraukle region Secondary school
- 3. IBL integrated subjects (domain) Financial planning and Mathematics
- 4. IBL project's goal: 1) Make infographic or presentation based on personal research of Reverse Vending machine in Aizkraukle city 2) Do research of Reverse Vending machine in Aizkraukle city usage, benefits
- 5. Kind of inquiry method(s) confirmation, structured, guided, and open inquiry, including Statistics, Art, Go-Lab, value based problem solving, Research
- 6. IBL project common duration 6 months
- 7. Form of education formal and non-formal
- 8. Participated class(es), number of students 5th class 22 students, 4th class 11 students
- 9. What number of social risk, special needs, gifted students participated?? Gifted 4, social risk 3

Part II. IBL project description/ EN

- IBL project implementation activities Assessing the project plan, Execute the plan, Doing research, analyze project data, gather feedback and provide final reports. Presentation with video materials included in common online files.
- The tools & digital technologies applied for the IBL project McOffice programs, including video maker.
- Arrange your activities description according to the IBL project phases, its time (or duration) :
- 1. Orientation (2 weeks)
- 2. Conceptualization, questions, hypotheses (4 weeks)
- 3. Investigation, practical works, data collection (8 weeks)
- 4. Data analysis (3 weeks)
- 5. Project presentations, Reflection (2 weeks)
- 6. Conclusion, presentation of the results, dissemination (1 week)

Reverse vending machine (deposit return system) and usage of it in our neirbourhood

ANV 4th class INFORMAL LEARNIGN business group (11 students) and 5th class (22 students)

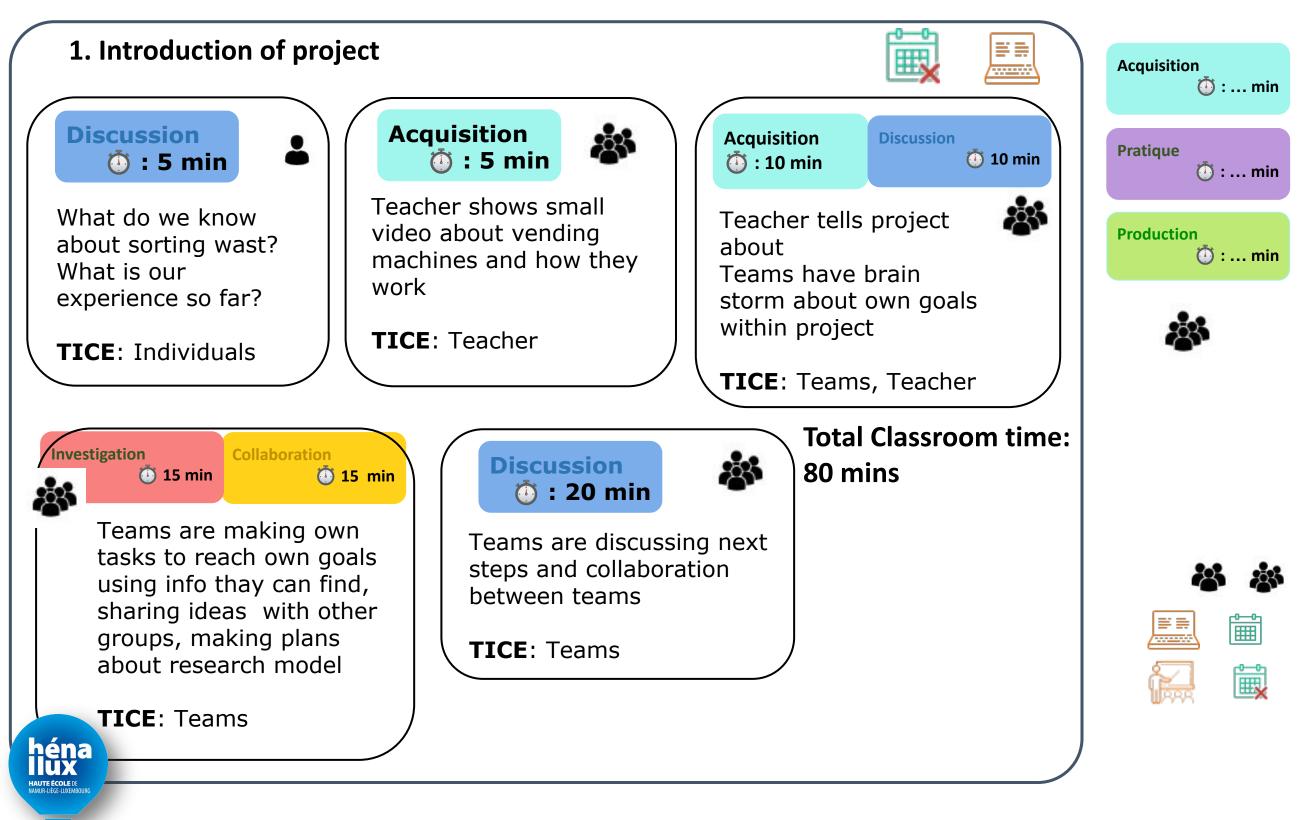
Teacher: Kristine Balta



4th class business group

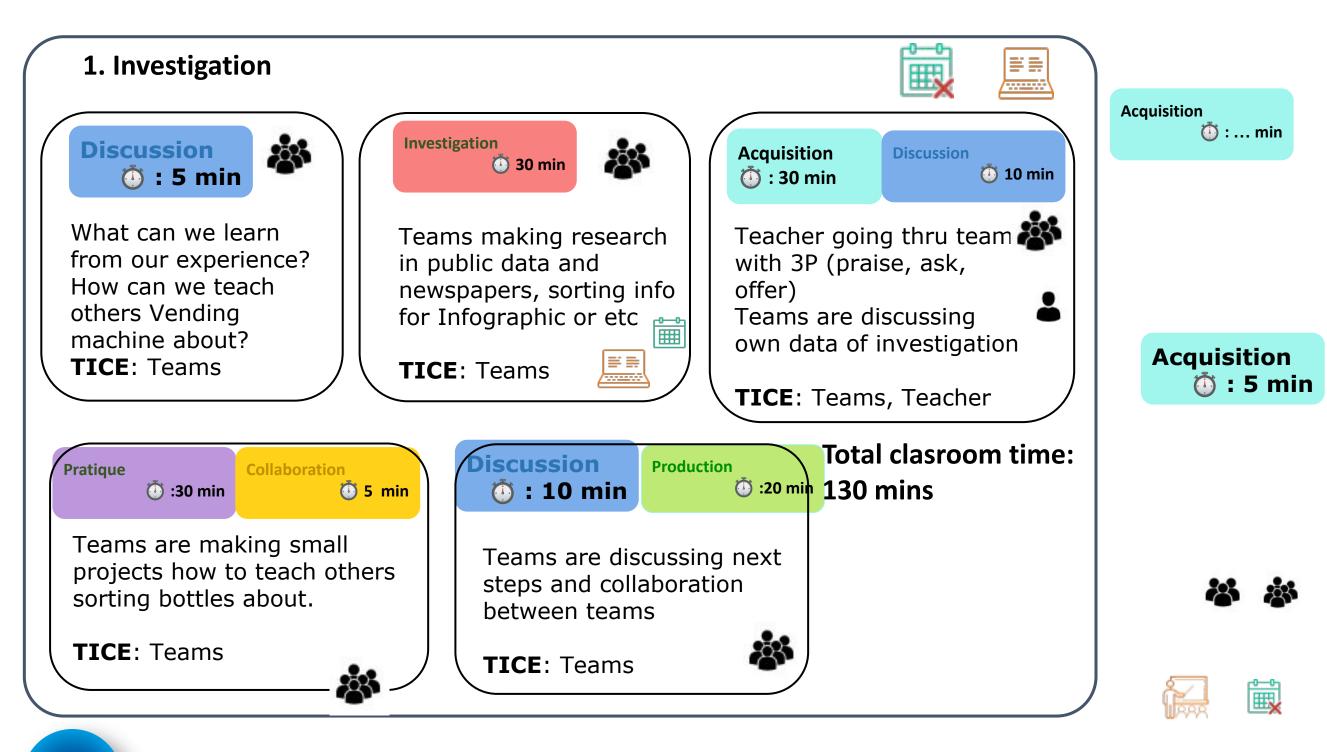
- Project working time 8 weeks
- 11 students
- Goal: Make infographic or presentation based on personal research of Reverse Vending machine in Aizkraukle city

First and second week March 2022 – Group A (4th class Business group)





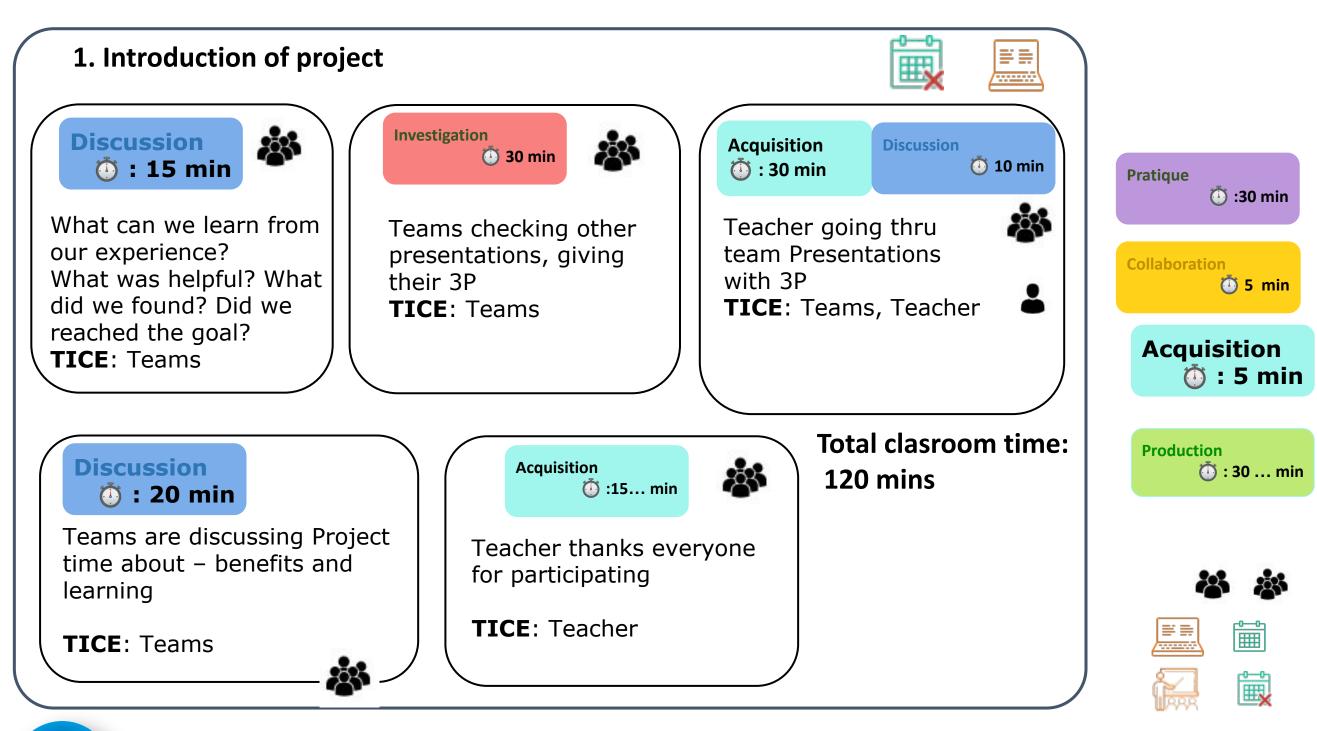
Third week of March – first week April 2022 – Group A (4th class Business group)





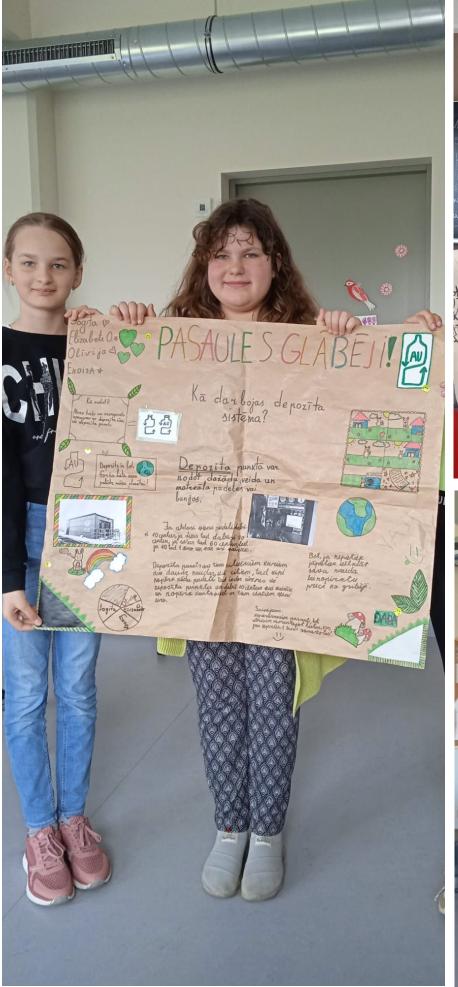
End of April 2022 – Group A (4th class Business group)

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Project part A finished.

Participitated 11 stundens from INFORMAL learning class 4.

Project time – 2 months

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Reverse vending machine (deposit return system) and usage of it in our neirbourhood

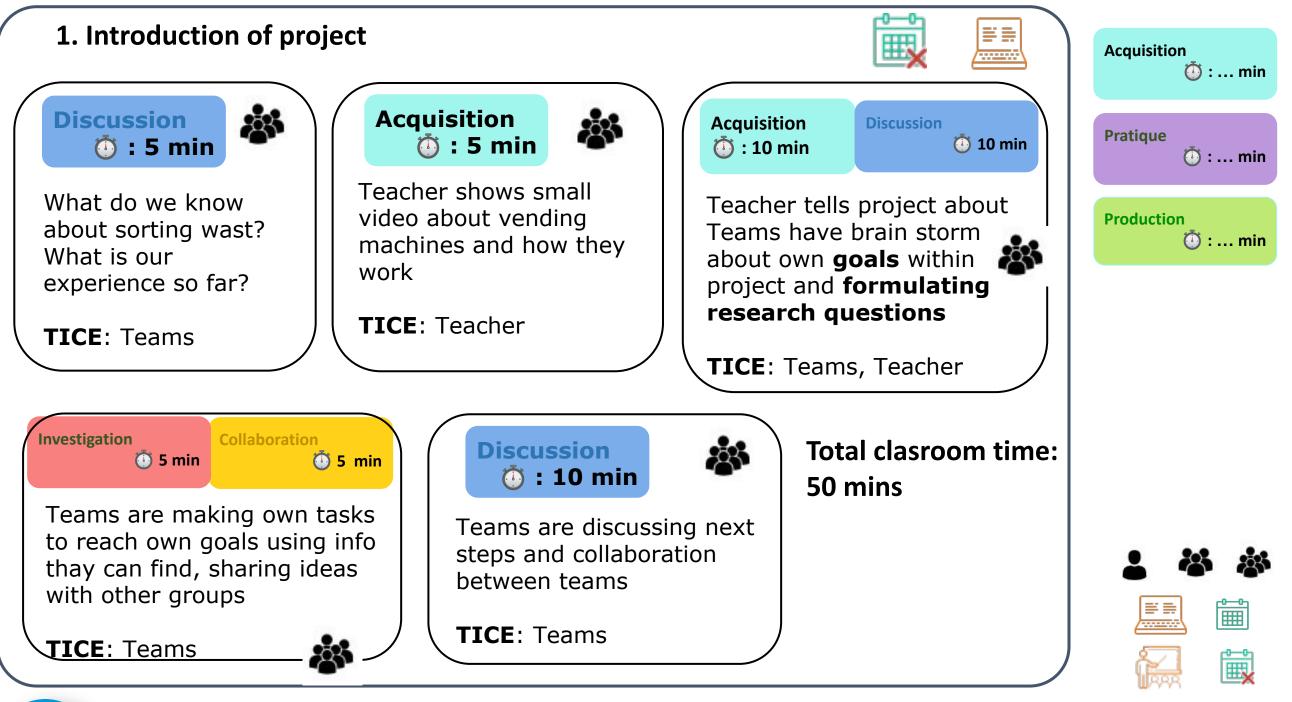
5th grade (22 students)

Teacher: Kristine Balta

- Project works active time
 8 weeks
- •5th grade
- •22 students
- •Goal: do research of Reverse Vending machine in Aizkraukle city usage, benefits

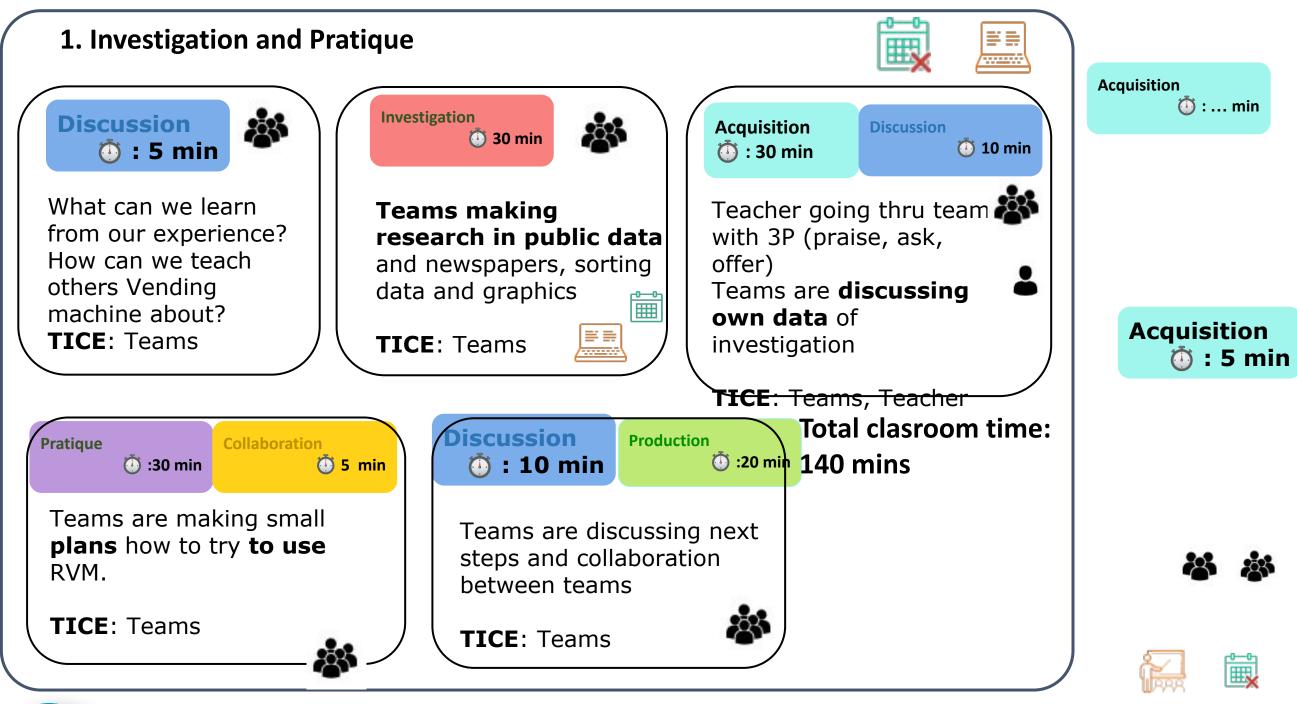


First week April 2022 – Group B (5th grade)





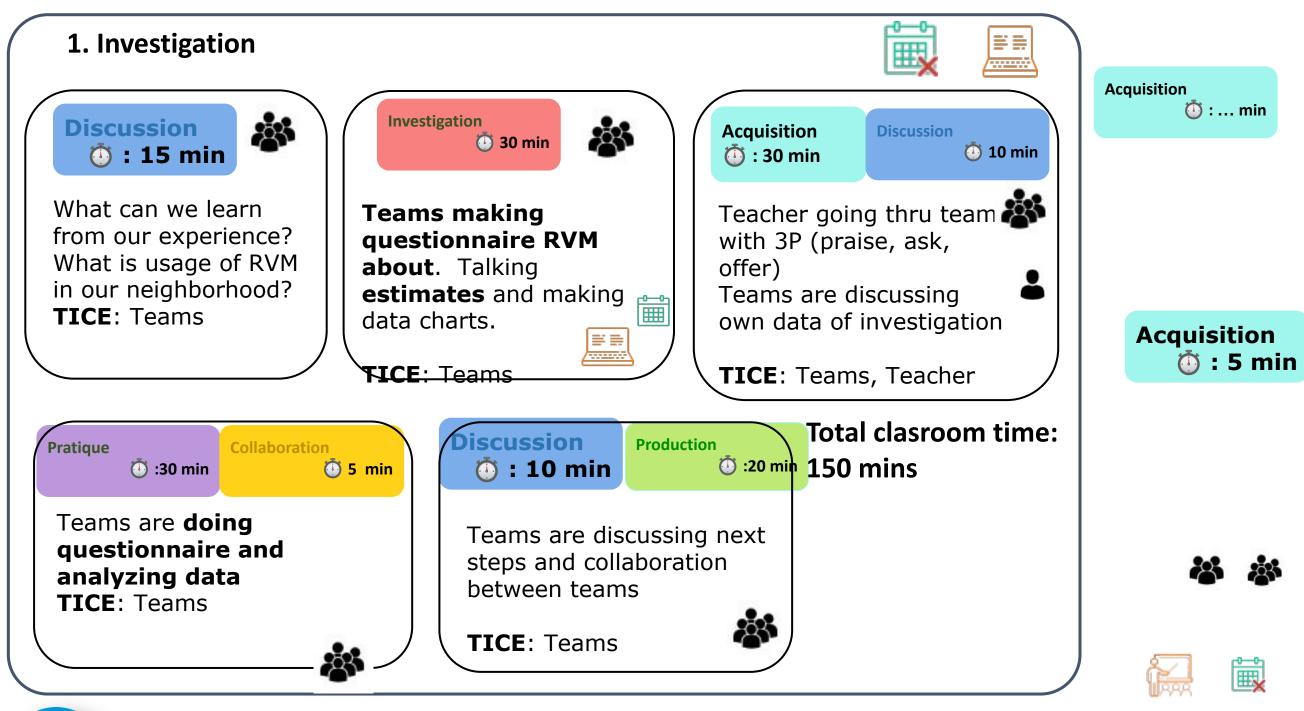
Second week April 2022







Third week week April 2022

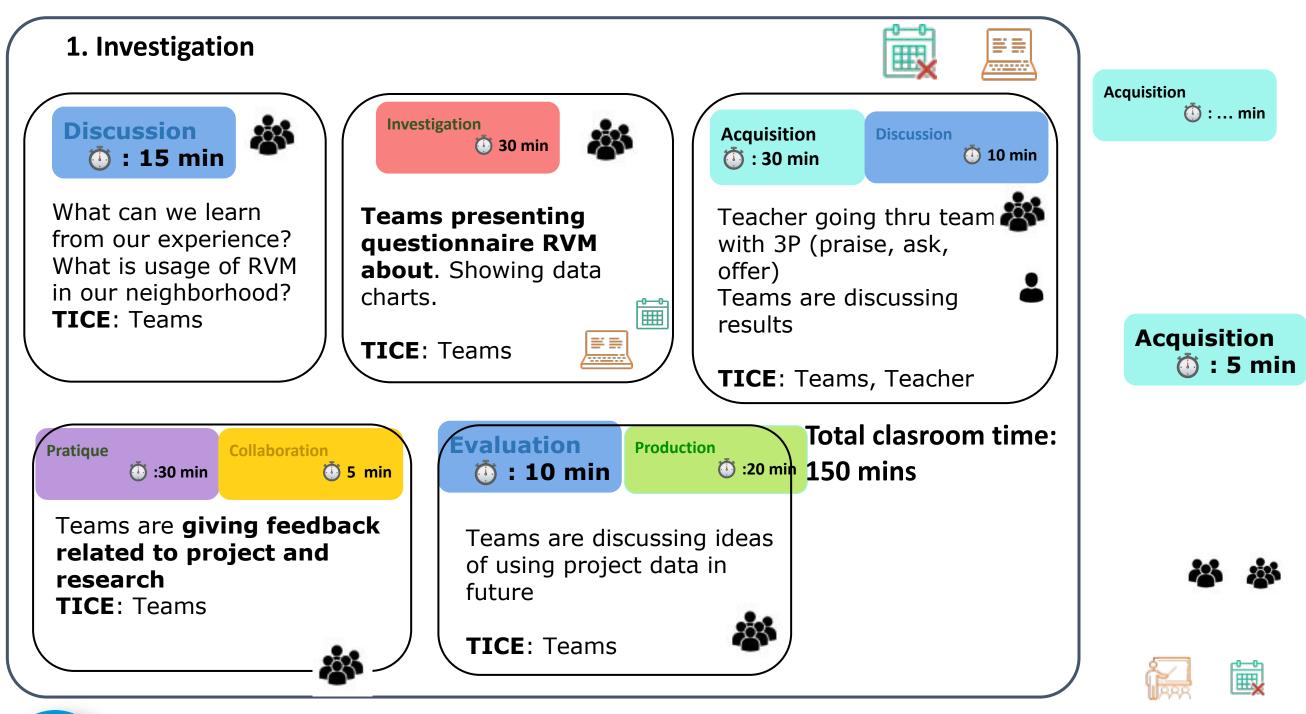




In the continuation of the project, the students of the 5th class analyzed the obtained research data of RVM usage.

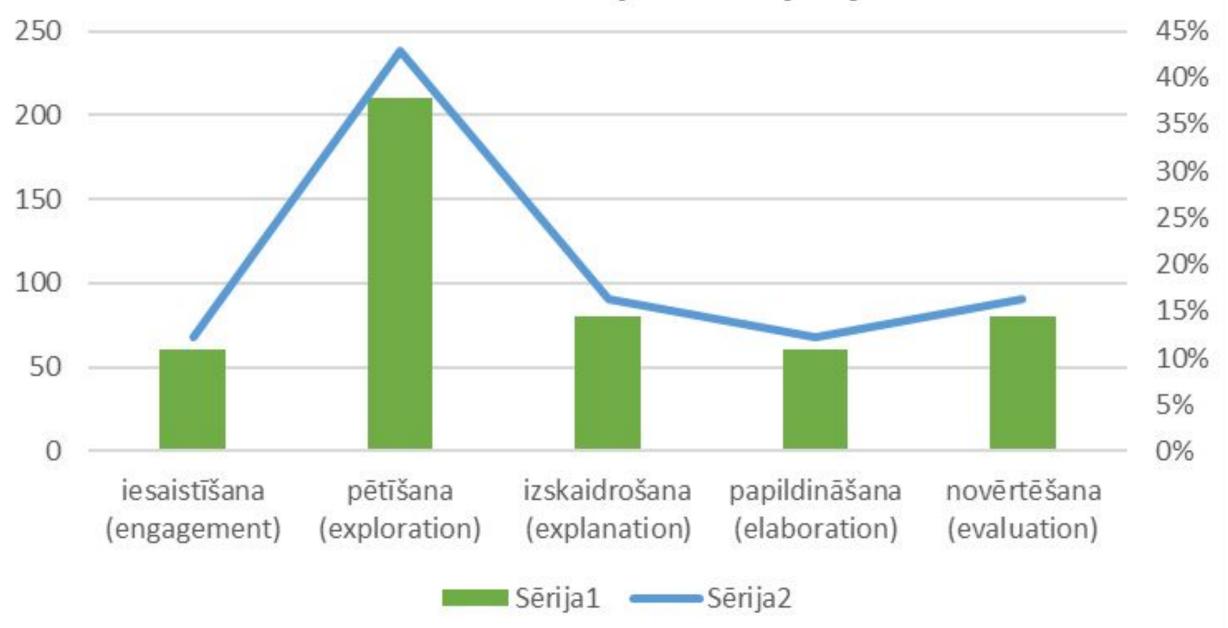


May2022





Time spent on porject



Comments

Teachers

The students had demonstrated excellent progress

Students had developed researching skills

Students are best learners thru the practice

Project teached new skills to me as well

Students

- Project was great fun
- We felt as investigators or journalists :D
- We learned lots of new things
- It was so great to work together
- Project was interesnting
- I would like to take part in next year, too



4 posmu modelis // 5 posmu modelis

- noskaidro situāciju: kas jau zināms, ko vēlas uzzināt (focus),
- pēta (explore),
- reflektē (reflect),
- pielieto (apply).

- iesaistīšana (engagement),
- pētīšana (exploration),
- izskaidrošana (explanation),
- papildināšana (elaboration),
- novērtēšana (evaluation).