



FACEBOOK

AS A FREE AND MODERN TEACHING TOOL

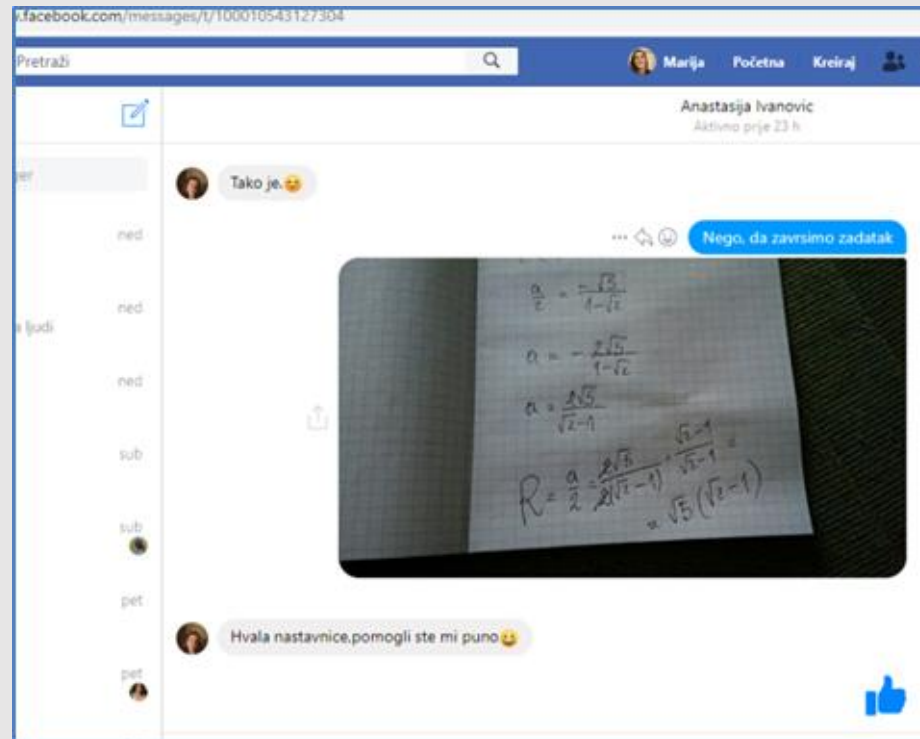
Marija Milovanović, Nenad Milić, Tatjana Blagojević

1. Facebook is a

- free and modern online platform used mostly as a social networking site
- teaching tool that can be accessible and visible to everyone
- ideal for sending tasks, lessons and other educational material to students

2. THE USE OF FACEBOOK IN TEACHING MATHEMATICS

- During the school year 2017/2018 and 2018/2019, a Math teacher, Mrs. Marija Milovanovic, used a social networking site – Facebook as a helping tool for teaching Mathematics.



- This new form of work included 26 elementary school students.
- A special group was formed on Facebook to practice Mathematics.
- Mrs. Milovanovic, the administrator of the FB teaching group, has devoted much of her free time to the working of the group.

Facebook interface showing a post from the group "Ja ♥ matiš".

Post content (handwritten on graph paper):

$$O = ? \quad \checkmark$$

$$P = 60 \text{ cm}^2$$

$$h = 12 \text{ cm}$$

$$P = \frac{a \cdot h}{2}$$

$$60 = \frac{a \cdot 12}{2}$$

$$a = \frac{60 \cdot 2}{12}$$

$$a = \frac{120}{12}$$

$$a = 10$$

vidim gresku
ali ne znam u kom koraku
mislim da je drugi red

Right sidebar (Ljudi):

- Anastasija Ivanovic
- Darko Mitrovic
- David Nikolic
- Ivan Milic
- Lazar Simonovic
- Ljiljana Nikolić
- Luka Janosevic
- Marko Stoilovic
- Milun Milovanovic

- She was active in the afternoons, evenings, during holidays and school breaks.
- Within the group, students were trying to solve tasks for preparation of written assignments, tests and the Final Exam

Ja ❤ matiš

on ce taj a ja cu malo tezi

PRIMENA PITAGORINE TEOREME

10. a) Oдрeditи дијагоналу и обим правоугаоника чије су стране $a=12\text{cm}$ и $b=5\text{cm}$.

б) Oдрeditи дијагоналу и површину квадрата стране $a=5\text{cm}$.

11. Oдреди површину и обим једнакокраког троугла ако је основница $a=20\text{cm}$ и висина која јој одговара $h=24\text{cm}$.

12. Израчунај обим ромба чије су дијагонале $d_1=16\text{cm}$ и $d_2=4\sqrt{2}\text{cm}$.

13. Израчунај површину једнакокраког трапеца ако је њега основница 15cm , висина 4cm , и крак 5cm .

14. Израчунај обим једнакокраког троугла површине $9\sqrt{3}\text{cm}^2$.

15. Израчунај обим и површину квадрата ако је дијагонала $d=4\sqrt{2}\text{cm}$.

16. Израчунај обим, површину и дијагоналу правоугаоника ако су стране $a=24\text{cm}$ и $b=10\text{cm}$.

17. Површина једнакокраког троугла је 60cm^2 , а висина 12cm . Израчунај обим троугла.

18. Израчунај обим и површину једнакокраког троугла ако је висина $h=5\sqrt{3}\text{cm}$.

19. Странаца ромба је $a=10\text{cm}$, а дужа дијагонала $d_1=16\text{cm}$. Израчунај обим и површину ромба.

20. Обим једнакокраког трапеца је 30cm . Израчунај површину тог трапеца ако су основнице 13cm и 7cm .

17.

cu ja

Luka kresem

Super ajde

You cannot reply to this conversation.

Ja ❤ matiš

Ljudi

Anastasija Ivanovic

Darko Mitrovic

David Nikolic

Ivan Milic

Lazar Simonovic

Ljiljana Nikolic

Luka Janosevic

Marko Stoilovic

Milun Milovanovic

Veliko Treikic

- Questions were being asked, some doubts were resolved, and some discussions were conducted on mathematical problems.

Marija

Početna

Kreiraj

3

Ja ❤️ matiš

isto je
jer je jednakokraki
???

😊+

nije

pogresio sam

Nadji gresku

Vrati se na moje resenje. Pazi gde je puta a gde podeljeno

Neeee, pa nije ti hb isto 12

Luka

zammm

znam

to se i ana mucila

Anastasija Ivanovic

Darko Mitrovic

David Nikolic

Ivan Milic

Lazar Simonovic

Ljiljana Nikolić

Luka Janosevic

Marko Stoilovic

Milun Milovanovic

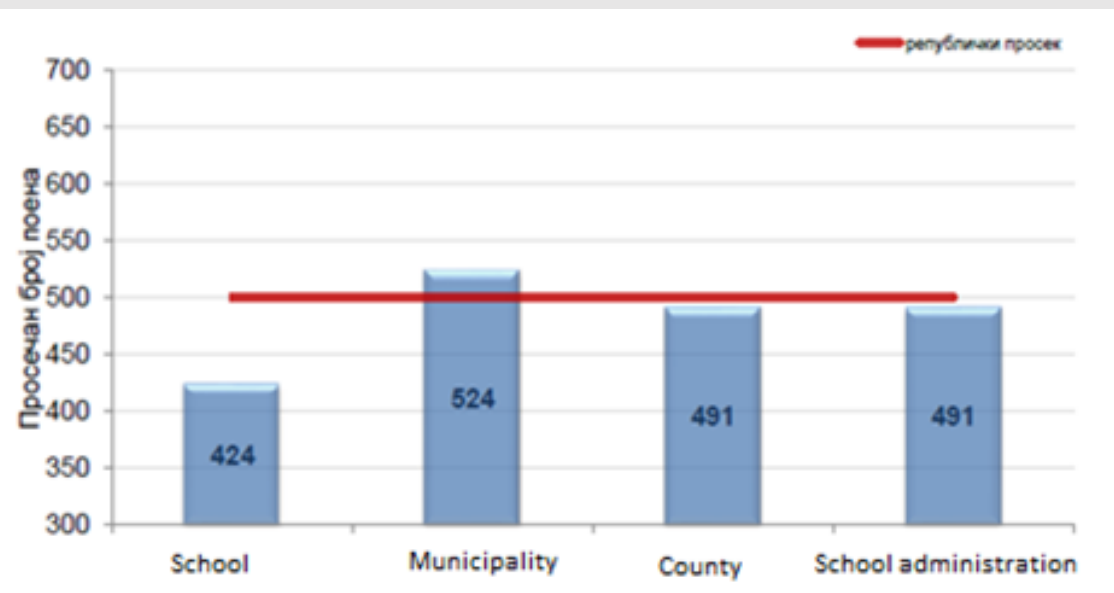
Veljko Trejkic

Podijeljene fotografije

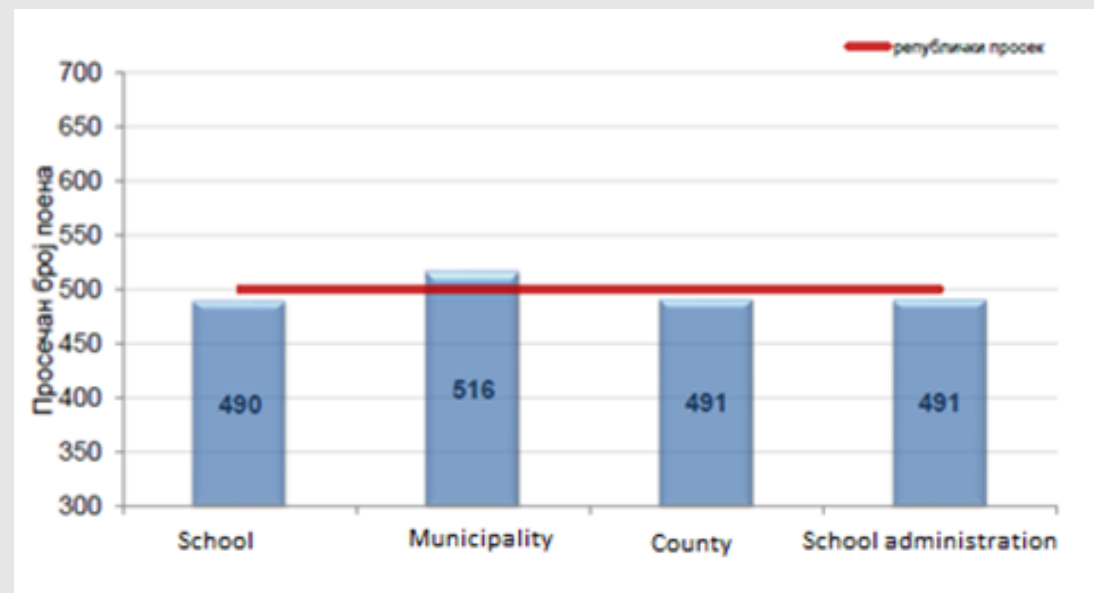
You cannot reply to this conversation.

- Over time, the Facebook Math project has yielded better and better results.
- It was more interesting to do assignments online, within the group, so the students practiced Mathematics more regularly, and, of course, the Math grades were getting better

At the end of 2018/2019 school year. students took the final math exam and achieved good results.



The results of Math Final Exam
2017/2018



The results of Math Final Exam 2018/2019,
15% higher than the previous school year

3.THE USE OF FACEBOOK IN TEACHING TECHNIQUE AND TECHNOLOGY, AND INFORMATICS AND COMPUTER SCIENCE

A Facebook account was made for teaching Technique and technology, and Informatics and computer science in January 2013, and since then, it has been actively used for following purposes:

- **3.1.Educational**

- a) homework assignments, flipped classroom
- b) test preparations and mock tests
- c) competition training
- d) Final Exam and High School Enrollment

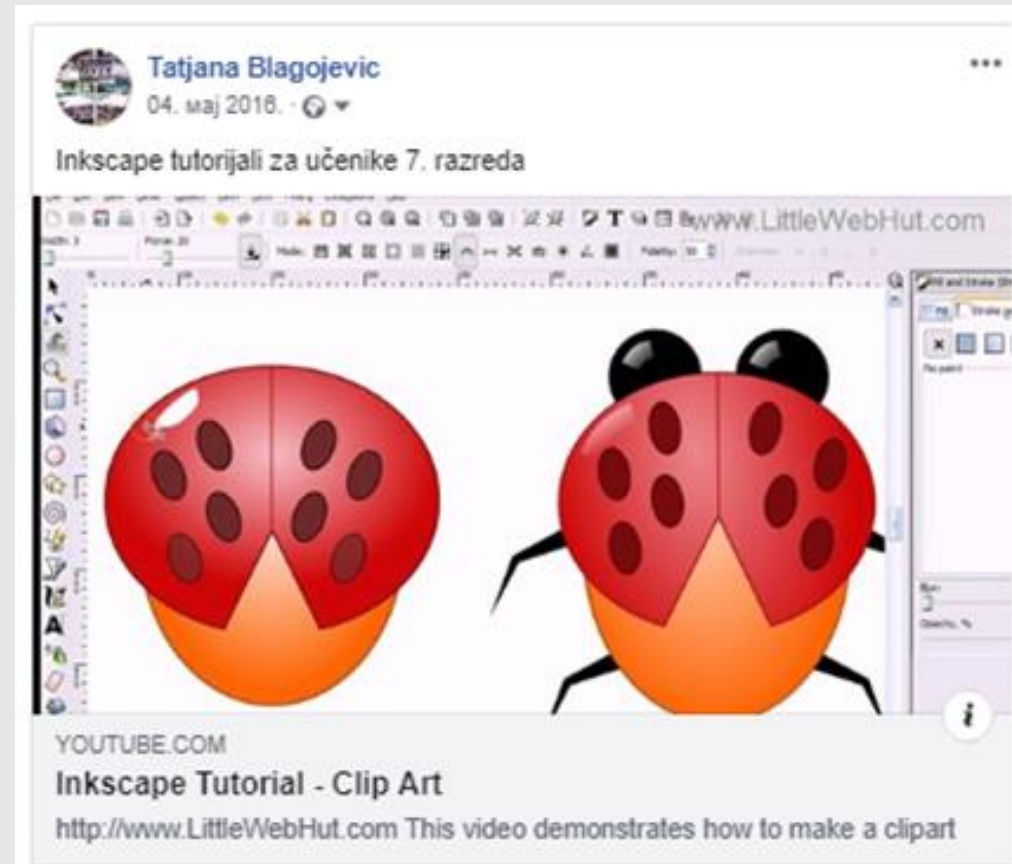
- **3.2.Informative**

3.1. EDUCATIONAL PURPOSES

- The original idea was **to bring the teaching content closer** to the students and facilitate the acquisition of new concepts in the field of Technique and technology.
- It started with the realization that students spend a lot of time in front of their computers and on their Facebook accounts, i.e. online, and that **this place is an actual place where they need to be joined and supported in their learning.**

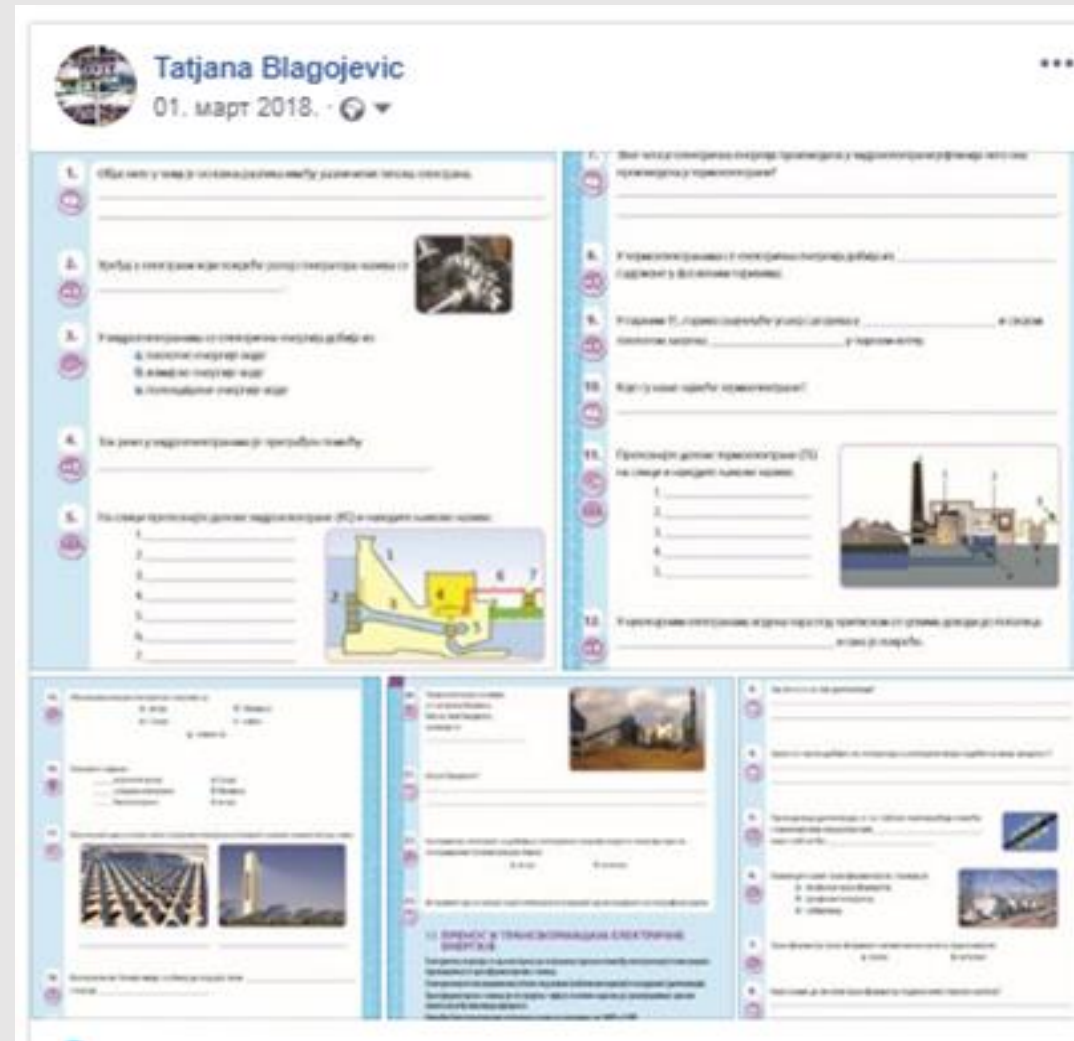
a) homework

- Homework was given, material was presented to be watched at home and come back to school with new knowledge ready for discussion, practice or practical work. It was done on the principle of “flipped classroom”.



b) test preparations and mock tests

- In the absence of a textbook, question pool (questions database) was uploaded on the Facebook account, and as such, it was used to prepare for the upcoming tests.



c) competition training

- A Facebook group was formed in order to train students for competitions in Informatics and computer science.

School year 2016/2017

- Three students of our school were placed on the national level of the International Competition in Information and Computer Literacy “Beaver” (“Dabar”).
- Preparations for the competition continued during the winter break by sending assignments and communicating through the group.
- All three students achieved excellent results and won bronze medals.

School year 2017/2018

- In 2017/2018, during the school break, the team for the Battle for knowledge (“Bitka za znanje”) competition was trained.
- Two students, Milica Jankovic and Jovana Jovanovic, devoted their free time to programming robots and robotics.
- They were placed in the national competition and then won the maximum number of points at the national level.

Samo nisam sigurna da li je potrebna ova kontrola na kojoj nisu uključene boje

Mislila sam da treba tako da bi isključilo prvu komandu



Pozdravi!

12.2.2018 17:34

Dobro je opet imamo samo male korekcije



d) Final Exam and High School Enrollment

- One of the most important and stressful periods in the life of every elementary student and their parents is the Final Exam and High School Enrollment.
- In addition to the extraordinary commitment of the class teachers, the Facebook account also played a significant role.
- All information, notices and instructions were available in a timely manner and were available 24/7 online.



Tatjana Blagojevic je поделиo/la fotografiju.

6. jun · 🌐



Objavljena je raspodela po školama. Na ovom sajtu svaki učenik svojom šifrom pristupa i dobija pristup informaciji u koju je srednju školu raspoređen.

The screenshot shows a web browser window displaying the official website of the Ministry of Education, Science and Technological Development of the Republic of Serbia. The browser's address bar shows the URL www.upis.mps.gov.rs/Српски/2018. The website has a red header with navigation links: "Почетна", "Опште информације", "Средње школе и образовни центри", "Пријемна процедура", "Документи", "Правилници", and "Својим". The main content area features the Serbian coat of arms and the title "УПИС У СРЕДЊЕ ШКОЛЕ РЕПУБЛИКЕ СРБИЈЕ 2017/2018.". Below the title, there is a paragraph explaining the enrollment process and a link to the enrollment form. At the bottom, there is a section titled "Подаци о ученицима" (Data about students) with a subheading "Проверите податке из централне базе на основу којих ће ученик добити raspored" (Check the data from the central database on the basis of which the student will get the assignment). This section includes a text input field for the student's identification number and an orange button labeled "Проверити" (Check).

УПИС У СРЕДЊЕ ШКОЛЕ РЕПУБЛИКЕ СРБИЈЕ
2017/2018.

Добродошли на интернет страницу посвећену упису у средње школе за школску 2017/2018. годinu, на школe које је организује Република Србија, уопште школе, или јединица локалне самоуправе, из образовног система, ваншколских и специјалних школа које одговарају критеријуму уписа.

Прекликувањем линка на интернет страници које ће вам представити све неопходне податке за регистрацију ученика, или на линку на статистичке податке о средњим школама који могу помоћи у правном одлукама.

Посетите интернет страницу уписа у средње школе за школску 2017/2018. [Посетите интернет страницу уписа у средње школе за школску 2017/2018.](#)

Подаци о ученицима
Проверите податке из централне базе на основу којих ће ученик добити raspored

Унесите идентификацијски број ученика

Проверити

3.2.INFORMATIVE PURPOSES

- At a time when everyone is on Facebook, not only the students but also the parents and the local community, it is very important to reflect on school happenings and work results.
- Any information on student success should be shared.

Battle for knowledge



Robot plays Waltz

 Tatjana Blagojevic је поделила везу.
17. јануар · YouTube ·  



 Информације о овој веб локацији

YOUTUBE.COM
Robot plays The Blue Danube Waltz
Robot plays The Blue Danube Waltz Mbot plays a waltz

Environmental awareness

- In addition, enhancing the environmental awareness of students and parents through the contributions that have been shared and published online – also proved to be helpful



5. CONCLUSION

- The ultimate conclusion is that the Facebook account created for educational purposes **has achieved much more than was expected, and contributed to various teaching curricular and extracurricular activities.**

