How to foster creativity ,critical thinking and problem solving of our students with a simple infrastructure

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Being a teacher at 21st century is not a challenge.
It is a multiple challenge.

The most valuable resource that all teachers have is each other.
Without collaboration our growth is limited to our own perspectives

Robert John Meehan
American educator and Author

Outcome

My experience as Scientix Ambassador

Scientix MOOC & online webinars

Codeweek activities

Flipped learning

Student's feedback

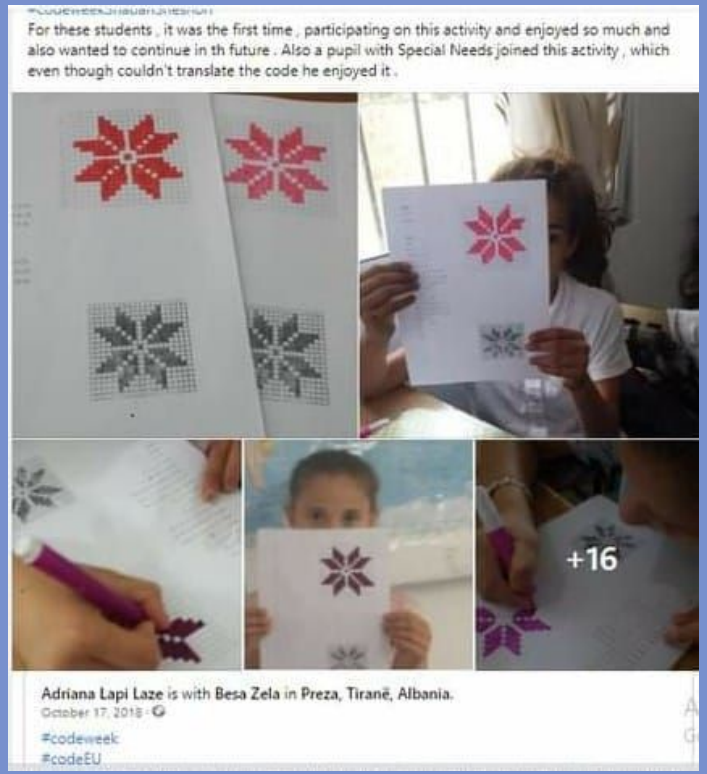
My experience as Scientix Ambassador

One of the first Albanian Scientix Ambassadors

Sharing my experience with Albanian teachers by online meeting and face to face too

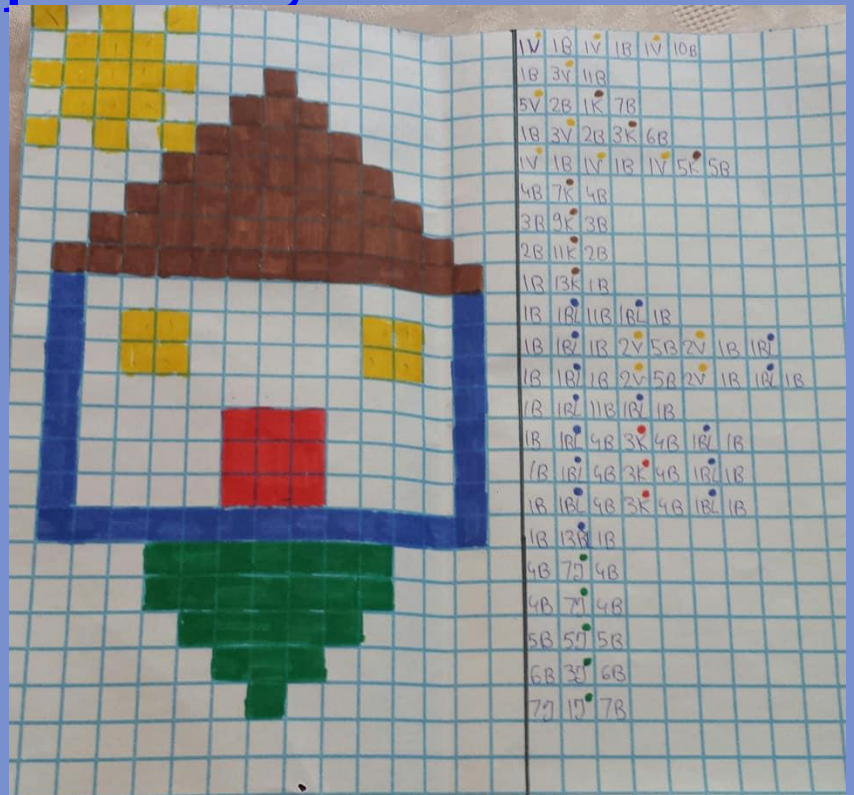
Scientix Mooc-s and online webinars

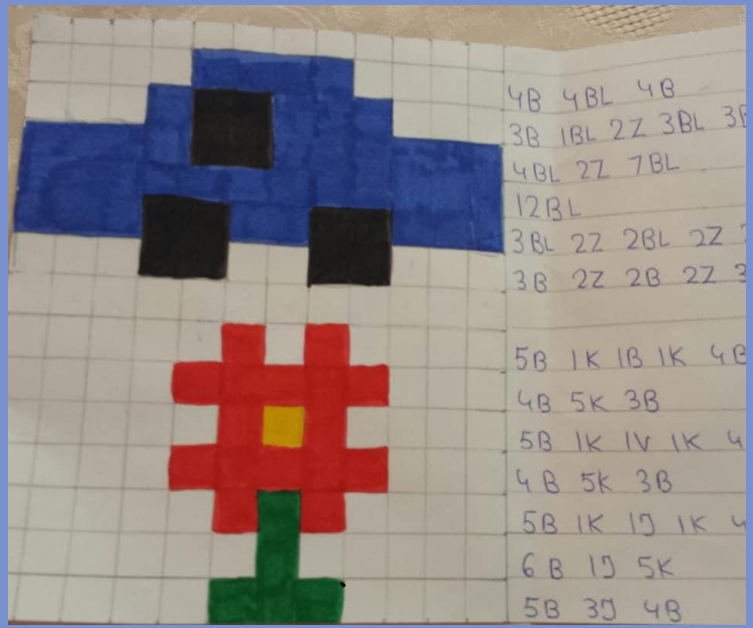
First activity for these students

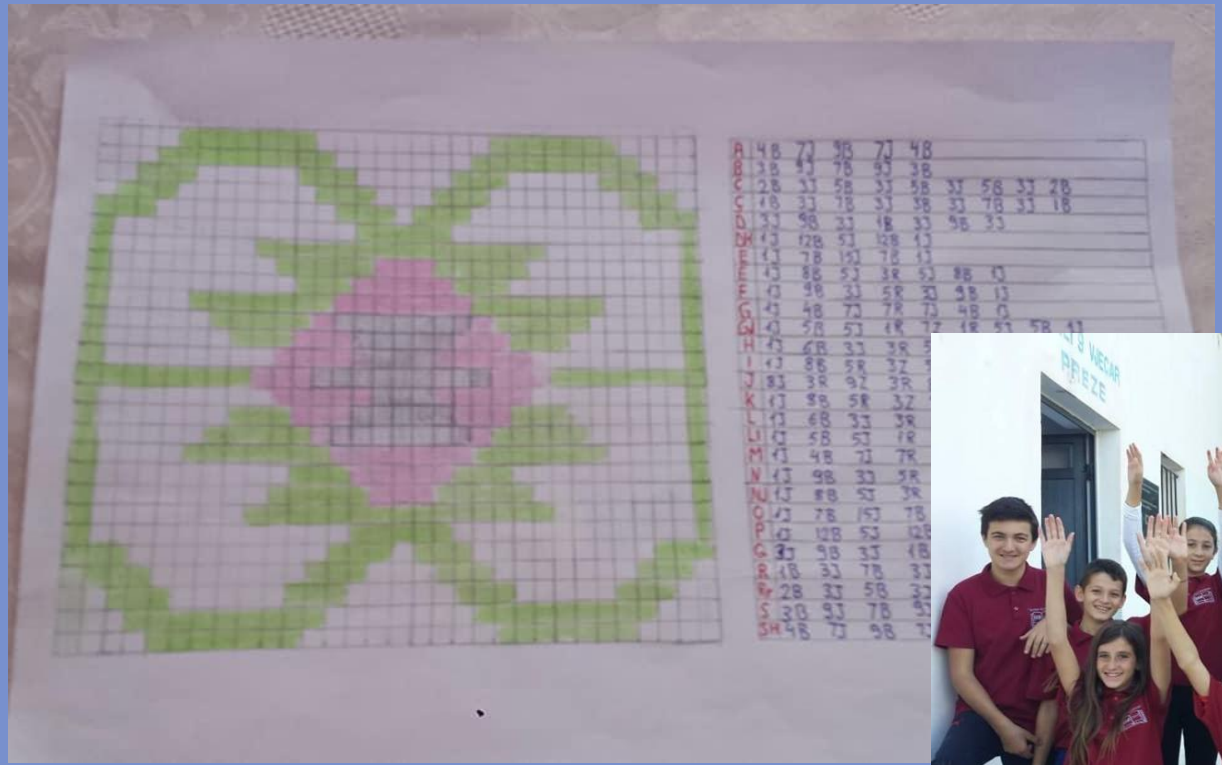


This activity during Code Week 2018 fostered their creativity .

They started to create by themselves worksheets for primary students





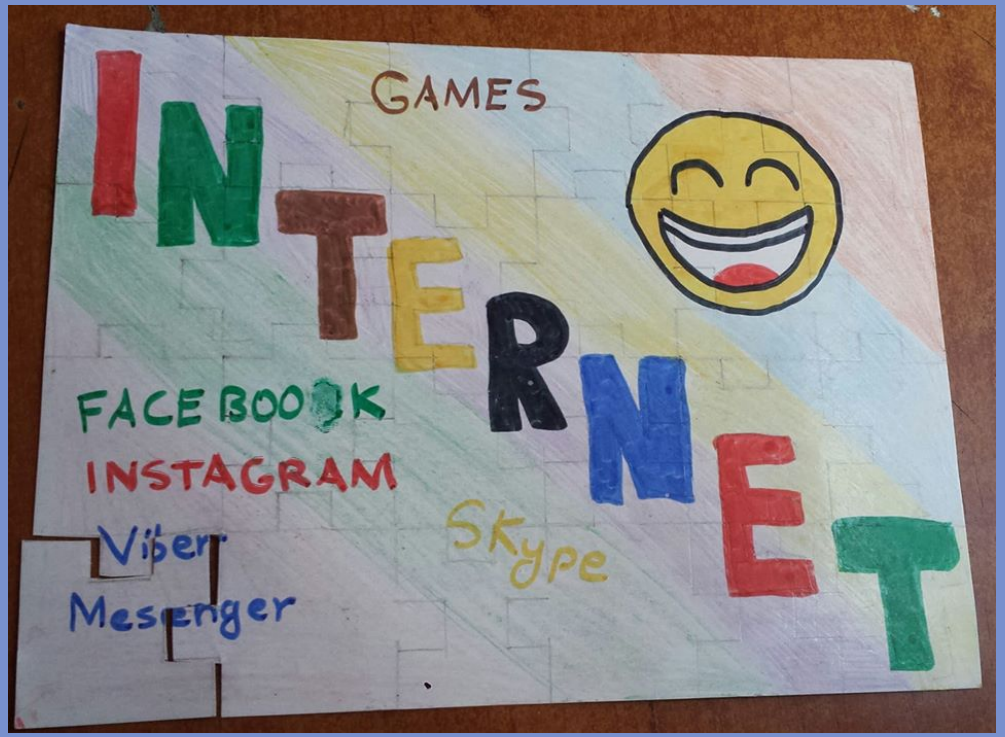


PREZE

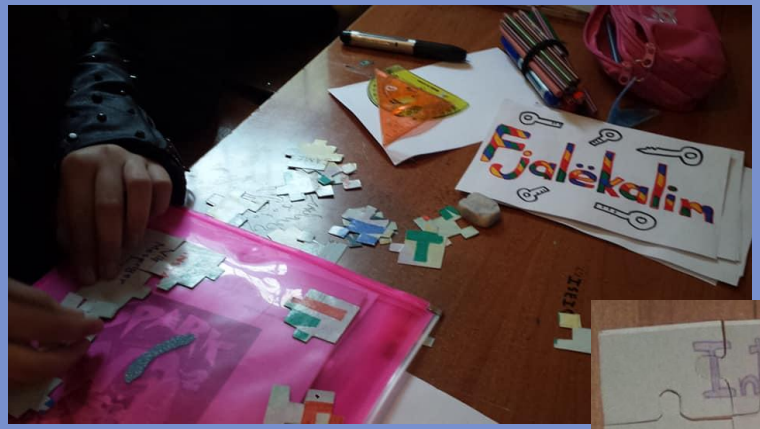
Their creativity couldn’t be stopped

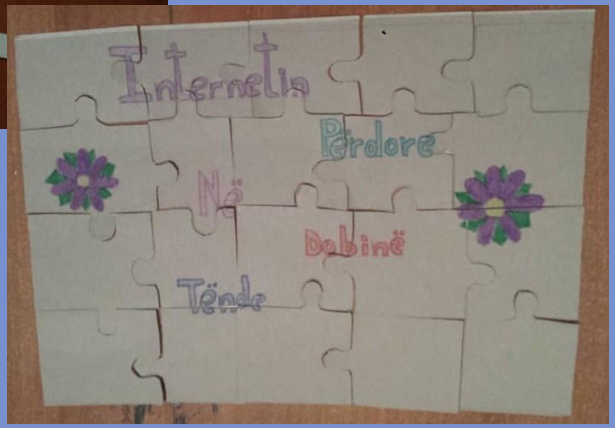
After Safer Internet Day they had another excitement

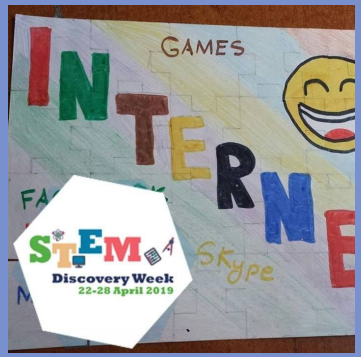
They were continually thinking in a critical way



During SDW 2019 they started to create puzzles with different messages about being safe on internet for primary school students

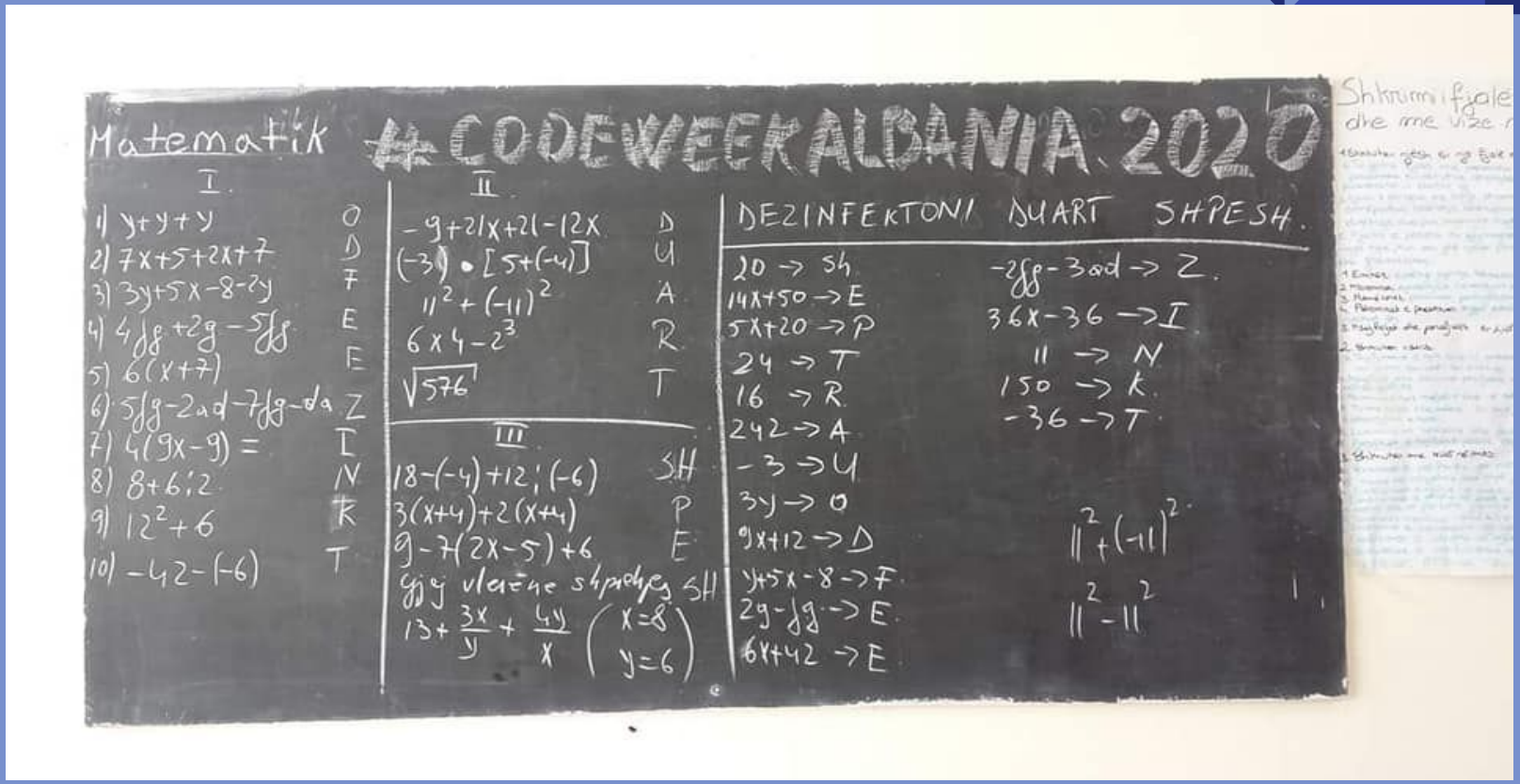






With the fourth grade students

Coding with Math as a portfolio



DETYRE PORTOFOLI NR 1 **MATEMATIKE** **KLASA 9**

Cdo ushtrim me poshte qe ka lidhje me dy kapitujt e pare , I zgjidhur sakte e me kujdes korrenspondon me nje shkronje, si ne tabelen e kodeve ne fund te ushtrimeve . Nje grup ushtrimesh korrenspondojne me nje fjale . Te gjitha fjalet formojne nje fjali. Printoje fleten dhe zbulo fjaline .

Afati I fundit I dorezimit eshte data 29 Tetor . Nxenesit, te cilet e perfundojne brenda dates 23 Tetor , do te perfitojne nje certificate Europiane , sepse kjo detyre eshte vec nje detyre portofoli edhe perfshirje ne nje aktivitet te rendesishem Europian Code Week 2021.

1. **Gjej numrin e nenbashkesive te bashkesise A = { x ϵ N/ x < 5 }**
2. **6×10^{-1} =**
3. **$(3^{-9})^4 \times (3^{-5})^{-7}$ =**
4. **1500000 : 0.0003 x 0.000000002 =**
5. **2 – 8 + 22=**
6. **$[(-2)^4 + 2 \times (-5)] \times 10^{-5} : 10^{-6}$ =**
7. $\frac{0.000000009}{0.00000003}$ =
8. **Gjej vleren e x** $2^{3x+5} = (2^2)^7$ **X = ?**
9. **$2^{-5} : (2^{-2})^{-3}$ =**
10. **$\{-9.8 + [-12 - 6 + (-4)] : (-2)\} : 2$**
11. **$6^7 : 6^4$ =**
12. **$4^{-3} \times 8^2$ =**
13. $\sqrt{16} \times 10^{-1} - 10^{-1}$
14. **6^3 =**
15. **$4^6 \times 4^5 : 4^9$ =**
16. **$(8^3)^{-5} : 8^{-15} \times 0.000008$ =**
17. **$(144 : 8 - 2^2) \times 2$ =**
18. **Per bashkesine A = { -5 , -4 , -3 , -2 , -1 , 1 , 2 , 3 , 4 , 5 }** **n (A) = ?**
19. **$60 : (-2)^2 : 50$**
20. **21600000000 x 0.00000001**
21. $\sqrt{1000} + (-3)^2 + (1254 - 254)^0 + 2^5 \times 2^{-2}$
22. **$(-1)^0 \times (-1)^{126} + (-3)^2$**
23. **$5^{-3} \times 5^3$ =**
24. **$2 \times 10^{-5} \times 3 \times 10^4$**
25. **0.000000008 : 0.0000000008 =**
26. **$7^{125} \times 7^{-125}$ =**
27. $(\frac{1}{2})^{-11}$ =
28. $(\frac{60}{600})^{-1}$
29. **A = { 1 , 3 , 5 , 7 , 9 }** **B = { x ϵ N / x < 10 }** **n (A U B) = ?**
30. $(2 - \frac{1}{2})^{-5} \times (1 + \frac{1}{2})^4$ =
31. **Gjej prerjen e bashkesive :**

    A = { x ϵ Q / x numer dhjetor dyshifror midis 0 dhe 1 }

    B = { 0.27 ; 0.49 ; 0.6 ; 0.85}
32. $(\frac{13}{11} \quad -\frac{1}{2} - \frac{5}{22})^{-2} \times (\frac{2}{5} + \frac{1}{3})^{-2} : 2$
33. $\sqrt[3]{-27} \times \sqrt{64} + \sqrt{121} + (-5+2)^2 + (-5)^0 + (-1)^{100}$

Pergjigjet e sakta	216	16	3	1	$\frac{2}{3}$	0.6	2^{-11}	$8*10^{-6}$	4.5	0.3	28	10	9
Shkronjat korensponduese	ë	M	I	SH	C	A	K	B	V	T	R	E	N

Flipped learning , another way to foster :

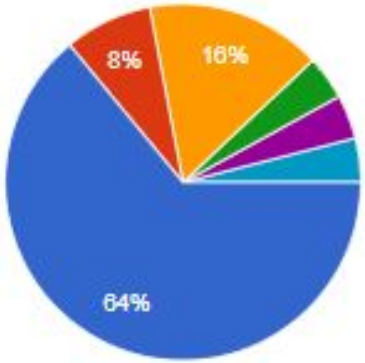
- student’s critical thinking
- their independence
- problem solving
- their relation with the book

Feedback of our students is another important instrument for a successful teaching

https://docs.google.com/forms/d/1kImTk7APZUA77EjcmO2rRI1HT1gFRNhakB_2P1pXZQA/edit#responses

Metoda Flipping Classroom (ku ju e pergatitnit mesimin paraprakishtne shtepi) qe ne perdorem gjate gjithe vitit 2020 mendoni se ia vlejti ?

25 responses



- Po
- Jo
- Nuk di c'te them
- Te dyja dhe po dhe jo
- Absolutisht poo
- Nqs eshte vetem per matematiken mendoj se i vlejti dhe e them kete pa asnje dyshim.Matematika ishte e vetmja lende qe eshte zhvilluar sic duhet .Duke i zbatuar te gjitha rregullat por eshte e...

Nese mendoni se nuk vlejti , Pse ? Ku ishin pikat e dobeta ?

25 responses

To be continued ...

Thank you
for your attention!