

ACTIVITIES IN 2018-19

EUROSTRONOMIA

St. Stanislav's Institution, Slovenia

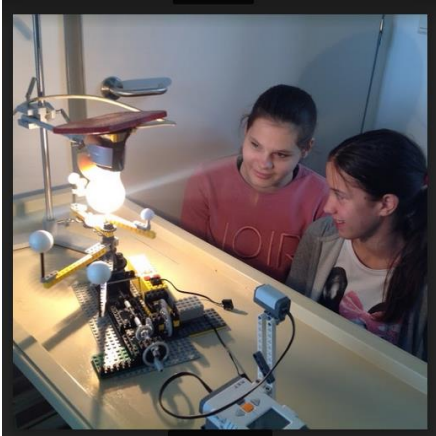
September 2018

Skywatching in Slovenia: *Mr Cokl in action. We saw Moon, Saturn, Mars, planetary nebula m57, double star Albireo, globular cluster m13, Andromeda galaxy.*

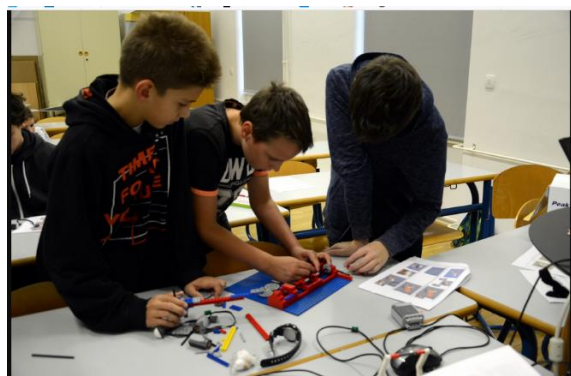
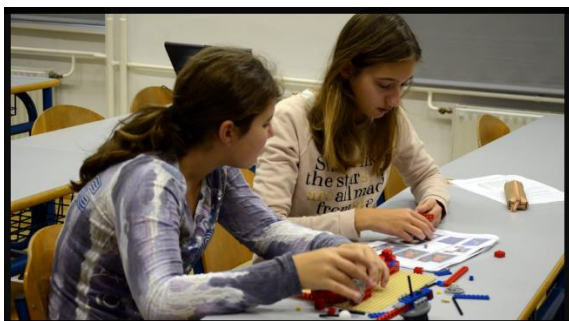


October 2018

Astronomy Weekend Camp for 2 primary schools (OŠ Venclja Perka Domžale and OŠ Komende Moste). On the camp Mr. Čokl lead the workshops (Mars Rover, Transit method for discovery exoplanets, Dynamics in Solar system etc.) and night sky observations.

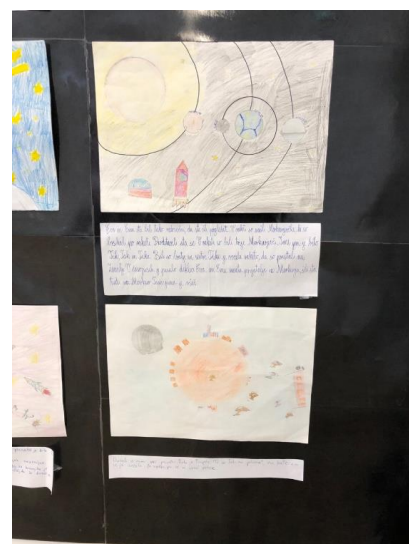
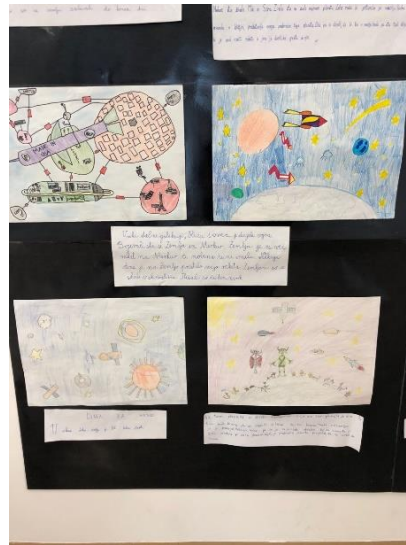


Autumn workshops for primary (secondary) pupils from all over Slovenia during Autumn holidays.
(<https://www.stanislaw.si/zavod/jesenske-delavnice-2/>)

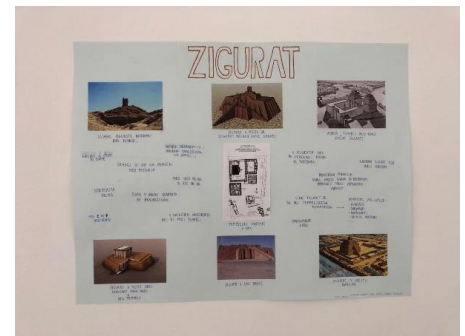
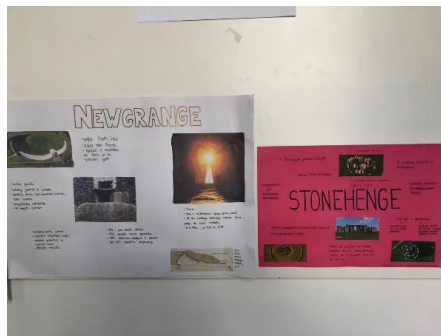
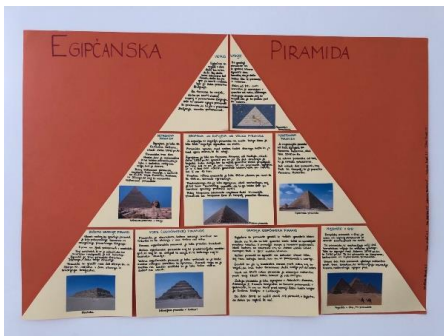


November 2018

Junior Erasmus+ Club Corner at St. Stanislav's Institution. **Stories** and **illustrations** inspired by the sky.



Alenka: **research work on ancient ways of celestial measurements visible in preserved ancient buildings (poster presentations in Erasmus corner).**



Martin and Alenka presented Erasmus+ projects **Art Nouveau - Art Renouveau** and **Eurostronomia** at an **International Conference for Headmasters** organized by the publishing house Rokus Klett on 30th November 2018 in Ljubljana (<http://www.rokus-klett.si/index.php?t=news&l=sl&id=1141>).



December 2018

Calendar (OŠAŠ – Tadeja, Helena)

As new year was coming, we decided to make a calendar with a space theme. We sent them to all the participating countries.



Januar January Januar Janvier Janeiro Ianuarie Januari Yanuari

	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FLL-First Lego League (Challenge) – (<https://www.stanislav.si/osas/growing-engineers-sodelovali-na-zanimivem-fll-tekmovanju/>)

With 2 groups with pupils from primary school we attended FLL challenge. The topic of this year was Into Orbit. The first task for students was on the polygon to solve as much tasks as possible in 2 and half minutes. The polygon is made with Lego bricks and you can use only the robot that is made of Lego bricks. The second task was to find a solution how can you help an astronaut during their stay on space ship or space station. One of our team think about social aspects of staying in space, so they made a solution with VR glasses so that the astronauts can communicate on this way with their relatives, they can »visit« their one room or »joging« throu the known forest. The other team was thinking about the waste in space and how can we blow up the waste so that it won't be a problem during the space missions or space walks. The second group was third on national competition and they went to Izmir (Turkey) on International event. (<http://www.fll.si/nov-uspeh-slovenskih-super-glavc>)





Stars across the corners (OŠAŠ – Tadeja, Helena)

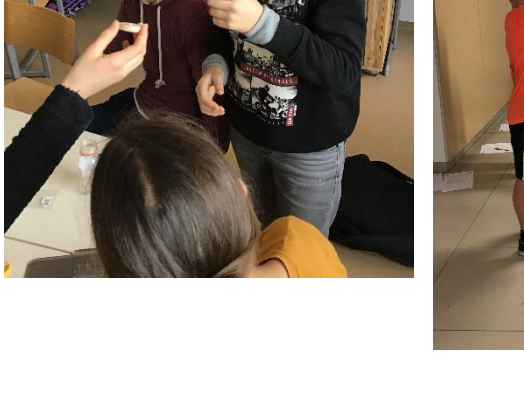
In December, we participated in the project of making stars with the other participating countries. Our pupils were very excited and couldn't wait to see the stars, sent from other countries.



January 2019

Astronomy day (<https://www.stanislav.si/osas/astronomski-dan/>)

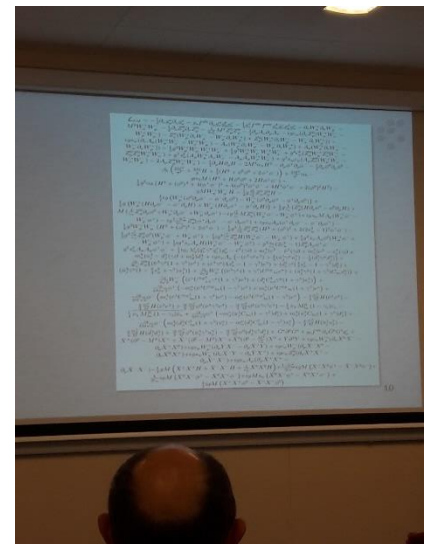
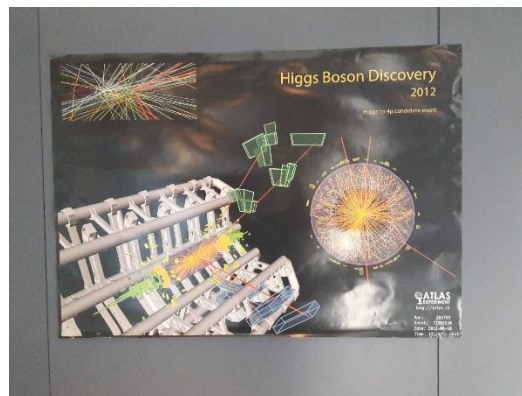
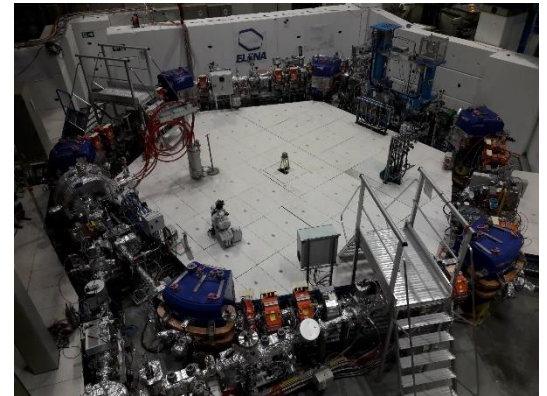
On January the 10th we have the Astronomy day for 8. class. During the day the pupils made the rover on Mars, taste the food with eyes closed and training like an astronaut. The pupils was very amazed about the Mars rover, therefore I challenged them to made the car that goes only on elastic or spring (which were predefined). With two groups we atended the national competition and the best run of our car was 20 m. (<https://www.stanislav.si/osas/tudi-z-elastiko-se-lahko-dalec-pride/>, <https://www.stanislav.si/osas/tekmovanje-iz-elastomobilov-na-kongresnem-trgu/>)



February 2019

CERN (<https://www.stanislav.si/osas/dva-nasa-profesorja-na-izobrazevanju-za-ucitelje-v-cern-u/>)

In february Mr. Čokl at an International Education in CERN where we talk about quantum physics, particles, the discovery of particles and the accelerators. We also made the cloudy chamber for discovery particles.



Stargazing in Kranjska Gora

On february the 14th Mr. Čokl had stargazing in Kranjska Gora for 7. class of primary. We saw Orion nebula, double star Mizar - Alkor in Ursa Major, Mars, Moon, Andromeda galaxy.



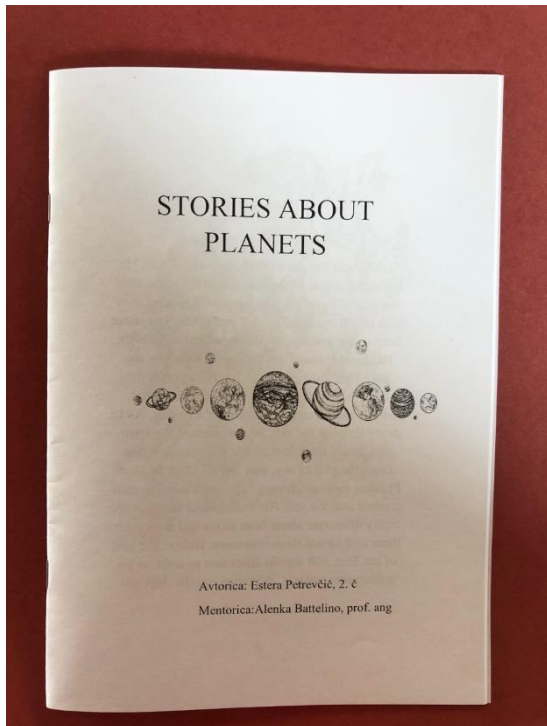
Singing festivals (ŠKG) (youtube.com) - *The topic of this year was music and space.*
(<https://www.youtube.com/watch?v=hX46ea4fzQs>) 57 min



March 2019

Research work

Stories about planets



Traveling Baloons



April 2019

Game - Memory (OŠAŠ - Helena)

In April, we were talking about space and planets. As a result, we decided to make a memory game for us to play with and as a gift for other countries.



May 2019

Project Earth, 1. class, 19. maja: <https://www.stanislav.si/osas/geografske-delavnice-za-prvosolce/>



Astronomical workshops about the moon

On 23th of may Mr. Čokl had astronomical workshops in 3. class of primary. The workshops was about craters on the Moon, Moon cycle and the difference between Sun, Earth and Moon.



A cartoon (OŠAŠ - Helena)

In May, we were talking about landing on the moon and celebrating Apollo11 moon landing's 50th anniversary. We asked our grandparents about it, but they didn't remember much. Therefore, we decided to make a cartoon about it and that way celebrate this important anniversary.



June 2019

Rocket model (<https://www.stanislaw.si/osas/luca-ceh-postal-drzavni-prvak-modelar-raketar/>)

In June one of our pupils made the rocket model with parachute and won national competition in his category.



Skywatching for 5. class (<https://www.stanislav.si/osas/nocitev-petosolcev-v-uvn/>)

In June, pupils of 5th grade were sleeping in the school in tents for one night. Among many other activities, they were also observing a night sky with Mr. Čokl. It was a great experience.



July 2019

Seminars for Teachers (<https://seminars.stanislav.si/>)

In July there was seminars for teachers from foreign country. Mr. Čokl represent his way of teaching astronomy and made the workshops about the transit method of discovery exoplanets. On workshops the teachers also processed real data with the program SalsaJ.



Astronomical groups

During the whole year Mr. Čokl had 2 astronomical groups. One for primary and one for high school. With the groups we prepared for the school and national competition. On school competition there was 45 of pupils (28 from primary and 17 from high school). 10 pupils managed to get on national level, where 3 students won golden »award« (2 from primary and one from high school). The students from high school was invited in the group for preparation for the international astronomical Olympiad from which there was five elected to go to the Olympiad. Part of this preparation was also the Messier marathon. On this marathon you have to find in one night as much Messier object as possible.

