MOBILITY IN ROMANIA – 21/10/24-25/10/24

16 students

**STEM**

3D modeling and 3D apps in robotics - Artificial body part for pets; Mechanical hand, Environmentally friendly bus, experiments - learning by doing- from maths to anstronomy

**CIVIC EDUCATION**

Life map; Taking action; Take a step forward; Human rights in action

Specific positive aspects that could be mentioned

**1. Hands-On Learning and Practical Skills Development**

* **Enhanced Engagement:** Students are actively involved in designing and building, which increases their motivation and interest in STEM subjects.
* **Skill Application:** They develop real-world skills like 3D modeling, basic programming, and robotics assembly, preparing them for future technological advancements and career paths.
* **Creativity and Innovation:** Working on projects like artificial body parts for pets or environmentally friendly transport encourages creative problem-solving and out-of-the-box thinking.

**2. Real-World Relevance**

* **Environmental Awareness:** Creating sustainable projects, like the eco-friendly bus, fosters an understanding of environmental issues and the importance of sustainability.
* **Biomedical Insights:** Working on artificial body parts for pets gives students a glimpse into biomedical engineering, highlighting the intersection of health and technology.
* **Learning Beyond the Classroom:** Through astronomy and math-based experiments, students connect theoretical knowledge to observable phenomena, grounding academic concepts in reality.

**3. Development of Soft Skills**

* **Teamwork and Collaboration:** Group projects, especially in robotics and civic initiatives, promote cooperation, communication, and conflict resolution, valuable in all areas of life.
* **Responsibility and Ownership:** Students gain responsibility through projects like “Taking Action,” where they plan and execute community-focused initiatives, fostering a sense of ownership over their learning and impact.
* **Enhanced Empathy and Social Awareness:** Through activities like “Take a Step Forward,” students gain a greater awareness of social inequalities, developing empathy and an understanding of diverse perspectives.

**4. Active Civic Engagement**

* **Empowerment to Make a Difference:** Students learn they can make a positive impact through activities that tackle community issues, promoting social responsibility.
* **Understanding of Human Rights:** Activities focused on human rights teach students about justice, equality, and how they can advocate for others, fostering a global mindset.
* **Awareness of Civic Duties:** Students learn the importance of being informed, active citizens, encouraging lifelong engagement in their communities.

**5. Enhanced Cultural Understanding and Exchange**

* **Intercultural Friendships:** Collaborating with peers from different backgrounds during Erasmus+ exchanges promotes cultural exchange and mutual respect.
* **Increased Global Awareness:** Exposure to different perspectives enriches students' understanding of world issues, cultivating open-mindedness and cultural sensitivity.
* **Celebration of Diversity:** Activities like “Life Map” encourage students to embrace and celebrate cultural differences, fostering inclusivity and diversity appreciation.

**6. Encouragement of Lifelong Learning**

* **Increased Curiosity:** By connecting STEM topics to real-world applications, students’ curiosity in subjects like astronomy, robotics, and environmental science is heightened, making learning a more enjoyable pursuit.
* **Preparation for Future Challenges:** Students are better equipped for future educational and career opportunities, especially in STEM fields, by gaining hands-on experience and problem-solving abilities.
* **Development of a Growth Mindset:** This experience encourages resilience, adaptability, and a willingness to learn from mistakes—qualities essential for lifelong learning and success.

Each of these positive aspects contributes to a well-rounded, engaging experience that prepares students to be both innovative thinkers and responsible, compassionate citizens.