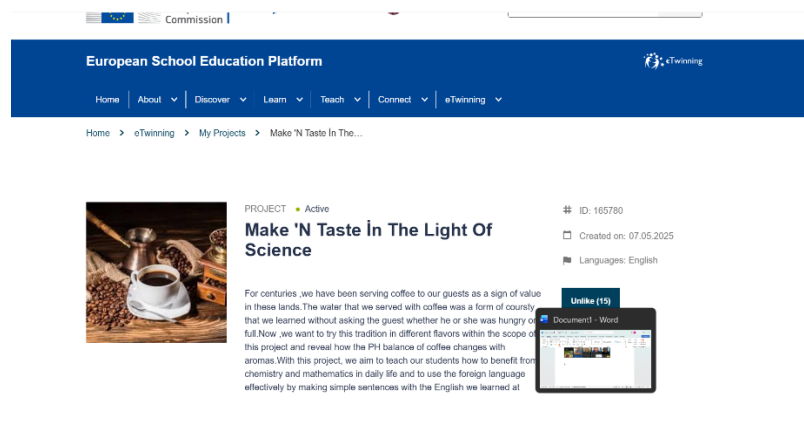


Make'N Taste in The Light of Science

Țări participante Turcia, România, Iordania, Georgia, Spania, Lituania



The screenshot shows the project page on the European School Education Platform. The header includes the platform name and navigation menus. The project title is "Make 'N Taste In The Light Of Science" with a status of "PROJECT" and "Active". It has 19 members and was created on 07.05.2025. The project description states: "For centuries, we have been serving coffee to our guests as a sign of value in these lands. The water that we served with coffee was a form of courtesy that we learned without asking the guest whether he or she was hungry or full. Now, we want to try this tradition in different flavors within the scope of this project and reveal how the PH balance of coffee changes with aromas. With this project, we aim to teach our students how to benefit from chemistry and mathematics in daily life and to use the foreign language effectively by making simple sentences with the English we learned at". A thumbnail image shows coffee beans and a cup, and a small document icon is visible.

Information

Members:	19
Membership:	Türkiye(7), Romania(3), Jordan(2), Spain(2), Greece(1), Georgia(1), Poland(1), Lithuania(1), Italy(1)
Age range:	14-19
Subjects of teaching:	Chemistry Citizenship Foreign Languages History History of Culture Informatics / ICT Language & Literature Technology
Vocational subjects of teaching:	Business and Marketing Catering and Tourism Food Industries IT Nutrition science Physical and sporting activities Socio-cultural services
Key competences:	Citizenship Cultural awareness and expression Literacy

Aims

In this project, we aim for our students to both prepare and introduce a traditional drink from our culture while exploring its scientific and mathematical dimensions. Students will have the opportunity to experience Turkish Coffee, which holds an internationally recognized patent and is appreciated across various service sectors, in different aromas and compositions. We will begin the project with an international event titled "Let's Meet and Talk About Coffee" with our partners. This event will allow participants to research and discuss the history, chemistry, and cultural significance of coffee and seek answers to questions such as what makes its taste and aroma so unique. At every stage of the project, we will combine all the opportunities that technology offers while addressing citizenship-related subjects such as history, chemistry, sociology, and environmental awareness. Students will engage in interdisciplinary studies including data collection, surveys, analysis and evaluation, poster and logo design, and digital presentations. They will also use mathematical skills to interpret data, scientific reasoning to explore chemical changes, and English literacy to communicate their findings effectively. Through this process, students will not only recognize how science and math are applied in daily life, but also understand cultural

diversity by comparing how coffee is prepared and enjoyed in different societies. Integrating this project into the school curriculum will help make subjects such as chemistry, mathematics, and social studies more concrete, experiential, and technology-supported. We aim to make this process an enjoyable and unforgettable learning experience by combining testing, tasting, and scientific exploration. Finally, we will analyze the chemical composition and mineral elements of popular coffee types in the light of science. This project will provide students and partners with the opportunity to introduce a wonderful cultural flavor while strengthening their scientific, digital, and cultural literacy. Together, we will demonstrate that science, citizenship, and creativity are interconnected in every field of life. The project's impact will be evaluated through pre- and post-project surveys focusing on changes in scientific awareness, digital literacy, and social sustainability.

Expected Results

It was once said that “the limits of my language are the limits of my world.” In this project, our students will expand those limits by discovering both their own cultural heritage and the richness of Turkish coffee aromas. Throughout the process, they will communicate in English, express their experiences confidently, and collaborate with their peers from different cultures. They will also have the opportunity to prepare, taste, and analyze different types of coffee, exploring how flavors vary across traditions. At every stage, we will integrate technology and interdisciplinary learning. Students will conduct surveys, collect and analyze data, design posters and logos, and prepare digital presentations. By doing so, they will strengthen their scientific literacy, citizenship awareness, and digital competence. Through research in history, chemistry, and sociology, they will better understand how cultural habits, scientific knowledge, and social values are interconnected. As the project progresses, students will work collaboratively on online platforms using Web 2.0 tools such as Canva, Kahoot, and Padlet to share results and reflections. They will discuss the chemical composition and mineral elements of popular coffee types and explore the scientific principles behind brewing and taste. This process will make learning enjoyable and meaningful, transforming school subjects like chemistry, mathematics, and social studies from abstract concepts into concrete, hands-on experiences. Students from different backgrounds—including those with fewer opportunities—will have an equal chance to express themselves, improve their English, and demonstrate their creativity. In the final stage, all findings, recipes, and reflections will be compiled into a digital “E-Recipe Book of Coffee and Culture.” This collaborative product will showcase the students’ work in science, literacy, citizenship, and technology, highlighting the importance of communication, cooperation, and cultural understanding. The project will conclude with an evaluation phase, where pre- and post-project surveys will measure progress in areas such as scientific awareness, digital literacy, and intercultural communication. As a result, students will not only gain academic and technological skills but also develop confidence, pride, and a stronger sense of belonging to both their local and European cultures.