

Action plan submitted by Nevin ULAMIŞ for KALETEPE ŞEHİT NURETTİN ÖZTÜRK ANAOKULU - 27.01.2023 @ 22:59:02

**By submitting your completed Assessment Form to the STEM School Label portal you have taken an important step towards analysing the status of your School's STEM Strategy. Congratulations! Please read through your Action Plan carefully to see what you can do to improve STEM activities further in your school. The Action Plan offers useful advice and comments, broken down into 7 key areas: Instruction, Curriculum implementation, Assessment, Professionalisation of staff, School leadership and culture, Connections, School infrastructure.**

## Instruction

### Personalisation of learning

How nice! Let us know about your success stories! You can do this through an event such as the STEM Discovery Week: <http://www.scientix.eu/stem-discovery-week>

### Problem and project based learning (PBL)

The next step can be to move in the direction of the Phenomenon-Based approach <http://www.phenomenaleducation.info/phenomenon-based-learning.html>

### Inquiry Based Science Education (IBSE)

Methods and approaches that assist teachers and schools in adopting Inquiry-Based Learning in Science Education (IBSE) are available on a web platform developed by the SAILS project. More info under: <http://www.scientix.eu/news/news-all/news-detail?articleId=416095>

## Curriculum implementation

### Emphasis on STEM topics and competencies

Great job. Your school seems to be a STEM-oriented school. Don't forget to stay updated by taking part in SCIENTIX ([www.scientix.eu](http://www.scientix.eu)). In the link you will find a lot of ideas and resources focused on STEM subjects. Sign up for the digest and the newsletters under: <http://www.scientix.eu/newsletter>

### Interdisciplinary instruction

Great work! Don't forget to disseminate your good practices. And to learn more, read this publication about interdisciplinary teaching and learning, published by International Baccalaureate ([https://www.tacomashools.org/foss/MYP%20Documents1/MYP\\_Interdisciplinarity.pdf](https://www.tacomashools.org/foss/MYP%20Documents1/MYP_Interdisciplinarity.pdf)).

## **Contextualization of STEM teaching**

Very good approach! STEM teaching, creatively integrated into the school curriculum, shows students how to conquer and exploit knowledge, exploring and acting in real-life situations and in everyday troubled situations. The search, collaboration, experiment are integral building blocks of STEM teaching. Remember to share your experiences in the Scientix blog <http://blog.scientix.eu/>

## **Assessment**

### **Continuous assessment**

Congratulations! Maybe you can share your good practices in a blog article! You can find out more about the benefits of formative assessment in the course at: <http://www.europeanschoolnetacademy.eu/web/keyconet>

### **Personalised assessment**

Well done! Your school can also become an example of student-centred learning, which is introduced in this video: <https://www.youtube.com/watch?v=e6ieXLVCss4>

## **Professionalisation of staff**

### **Highly qualified professionals**

Way to go! You are DIY designers of materials and distributors of know-how! Why not write about it on the Scientix blog <http://blog.scientix.eu/>

### **Existence of supporting pedagogical staff**

Way to go! Why not share your experience on the Scientix blog <http://blog.scientix.eu/>

### **Professional development**

Great! The existence of an organised system of information, support and inclusion of students in order to get acquainted with STEM jobs in the labour market is an ideal educational action. Do not hesitate to share your experiences at the Scientix blog <http://blog.scientix.eu/>

## **School leadership and culture**

### **School Leadership**

It looks like you already have a lot of experience at the school level regarding leadership. To go further on this topic, take a look at this online course. As it says, "Every great teacher and every great school constantly work towards creating better learning conditions for students. Just as we hope our students become lifelong learners, we as educators should be constantly learning and improving": <https://www.edx.org/course/launching-innovation-schools-mitx-microsoft-education-11-154x-1>

## High level of cooperation among staff

Good work! Next step is to promote your school's experience with other schools at regional, local and international level. For example, you could promote sharing of teachers' experience in Scientix Social Media Community (<https://www.facebook.com/groups/ScienceTeachersEurope/>) or the Scientix Blog (<http://blog.scientix.eu/category/scientix/>). You can even apply for an Erasmus+ Key Action 2 (KA2) project to share best practices with other European schools. For more information about how to apply to Erasmus+ funding follow ""Erasmus+ funding opportunities for schools"" online course on the School Education Gateway <http://academy.schooleducationgateway.eu/web/erasmus-funding-opportunities-for-schools-2018-edition>

## Inclusive culture

Good work! Please share your school's experiences with the local community and/or a network of schools. You could promote your experience by applying for an Erasmus+ project K2 action to share best practices with other European schools. You can find more information about how to apply for Erasmus+ funding here: <http://academy.schooleducationgateway.eu/web/erasmus-funding-opportunities-for-schools-2018-edition>

# Connections

## With industry

You are doing great! It looks like you already have a lot of experience at the school level regarding the development of activities with industry! Share your experience at the European level and map your activity through the Professional Go Back to School tool and invite your STEM professional contact to register - Insert your activity on the map: [http://www.stemalliance.eu/pgbs\\_tool](http://www.stemalliance.eu/pgbs_tool) Share your experience about hosting career paths in your school by completing the online form available on this page or by writing an email to stemalliance (at) eun.org, or by sharing it along with the hashtag #PGB2S on Twitter and Facebook!

## With parents/guardians

Congratulations! To go further on your level of activities at the school level regarding this criterion, the ESPRIT Project (Fostering Equitable Science through Parental Involvement and Technology) leverages a technology-based social learning environment, Flipgrid (flipgrid.com), to engage science teachers and student-parent pairs in activities to support parental involvement and increase student learning outcomes. Their research focuses on how participating in the project activities affects (1) teachers' science instruction practices, (2) middle school students' science learning, STEM attitudes, and science engagement, and (3) parents' attitudes about school involvement and supporting their students' science learning. <https://vimeo.com/266412430>

## With other schools and/or educational platforms

So nice to hear! To go further on your level of activities at the school level regarding this criterion, check out this research study (2016) by Santiago Rincón-Gallardo and Michael Fullan "Essential features of effective networks in education" can be accessed through URL: <http://www.emeraldinsight.com/doi/full/10.1108/JPCC-09-2015-0007>

## With universities and/or research centers

Well done! To go further, check out the activities created by this project: the COMPASS (Creating Online Materials and Products At STEM Subjects) project is an initiative that alleviates problems by bridging the gap between research and teaching practices. The project's partnership is composed of two research-based universities (Bayreuth, Germany, and Maribor, Slovenia). Both universities have sound experience in developing dynamic geometry software (JSXGraph) and in the innovative use of ICT in classrooms (e-books) to enhance their didactical benefits. Four secondary schools from four countries (Spain, Romania, Turkey and Bulgaria) ensure that the project is firmly connected with the everyday reality of school life; and a Spanish company in educational technology brings the consortium into contact with the modern entrepreneurial world. More info under:

<http://www.scientix.eu/projects/project-detail?articleId=660622>

## With local communities

Good work! Try to extend your network with different local communities in order to reach a wider audience and to involve as many aspects of STEM as possible. It would be nice if you would share your experience on the Open School for Open Society project <https://www.openschools.eu/inspiration/>

# School infrastructure

## Access to technology and equipment

Well done! Remember to establish rules for a safety use. Here you can find guidelines for online safety: <https://www.esafetylabel.eu/online-safety> and also here: <https://www.betterinternetforkids.eu/> Consider also exploring this EUN Academy online course: <https://www.europeanschoolnetacademy.eu/web/online-safety-course-2nd-edition-> Finally, to go further on your level of activities at the school level regarding this criterion, check out this online self-assessment tool for teachers which is being developed as part of the new MENToring Technology-Enhanced Pedagogy (MENTEP) project, coordinated by the European Schoolnet. This tool aims to boost teachers' capabilities and confidence in using Technology-Enhanced Teaching (TET) methods in their classrooms. It gives teachers the opportunity to monitor their development and seek support, all at their own pace. The project team will also examine if it is feasible to develop a Europe-wide certificate for TET competencies. More info under: <http://www.scientix.eu/news/news-all/news-detail?articleId=321636>

## High quality instruction classroom materials

Impressive! Please share your experience at the European level and take part in the STEM Discovery Week campaign, which is a yearly campaign aiming to bring visibility at the European level for all initiatives related to STEM. More info about past campaigns under: <http://www.scientix.eu/events/campaigns/sdw18>

**The Assessment Form you submitted is generated from a large pool of questions. It is also useful for us to know if you are improving your STEM strategy in areas not mentioned in the questionnaire. You can [upload School practice evidence](#) of such changes via the Upload School practice evidence on the [My school area](#) section of the STEM School Label Portal. Remember, the completion of the Assessment Form is just one part of the Accreditation Process, because the upload of School practice evidence, your exchanges with others via the [Forum](#), and your reporting of [case studies](#) on the template provided are all also taken into account.**

