

Diversity in STEM Teaching

Axyonova Inna | Nazarbayev Intellectual School | Taraz | Kazakhstan

«SMART WALL»

The goal of the project is to create an accessible educational environment in the classroom for students with different levels of education, physiological and physical capabilities based on dynamic modeling of living systems and processes.

The main tools of the project are permanent or removable felt fabric panels and models created by students and the teacher.

The project helps in the study of processes and living systems, in the study of biology in English, as the basis for project activities, in teaching students with special needs (autism, complete or partial blindness).



Multiplication of project ideas:

1. Students of the school created a volunteer club "Biotact", which, using donations, installed a "Smart Board" in the biology classroom of a boarding school for blind children.
2. Five schools in Kazakhstan adopted the experience.
3. A copyright certificate for the project idea has been received.
4. The project has been expanded to the following forms: mobile boards, mobile stands, wrist bracelets with models, a panel on a blackboard.

Conclusion: The project involves low costs and can be financed with reasonable funds from a personal budget or with the support of a school. The project promotes education for sustainable development by ensuring equal access to quality education for all students.