

STEM Education for Sustainable Development

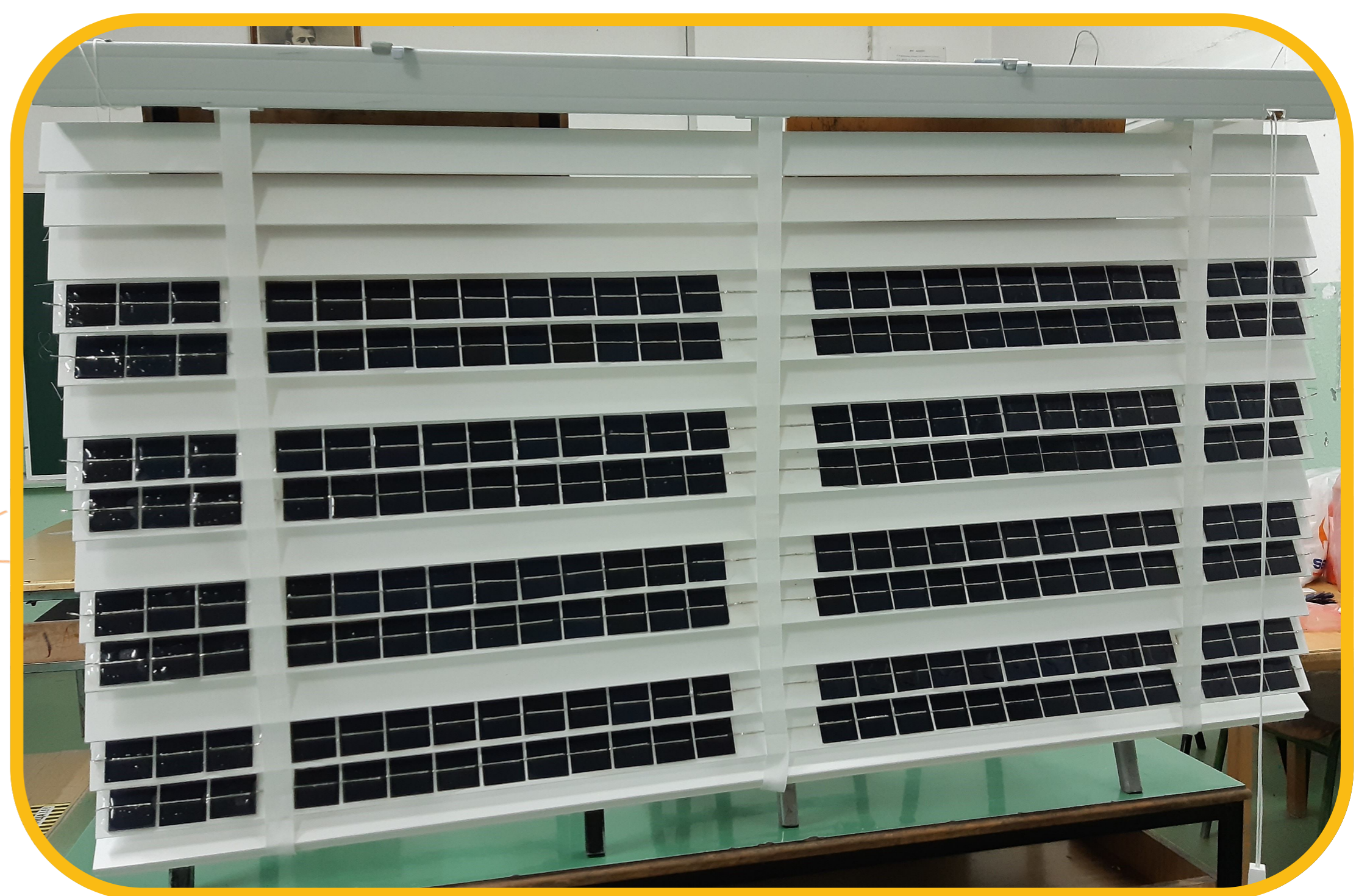


Valentina Stepanovska Andonova | Primary school "Dame Gruev" Bitola | North Macedonia

"Smart" venetian blinds



Since almost every institution of a public nature uses venetian blinds, there is a sensible way to make "smart" venetian blinds with a suitable superstructure on larger existing ones. This will consist primarily of the use of solar energy through the installation of solar cells on the outer sides of the venetian blinds, which would be stored and converted into electrical energy through solar batteries. On the inside, on the other hand, LED diodes are installed, which would convert the electrical energy into light energy, which is necessary for the internal lighting of the home. It will also mean that electricity will be obtained to power some electronic devices that use a lower voltage.



Conclusion: Use the power of the Sun, be practical and smart, make "smart" venetian blinds.