Diversity in STEM Teaching

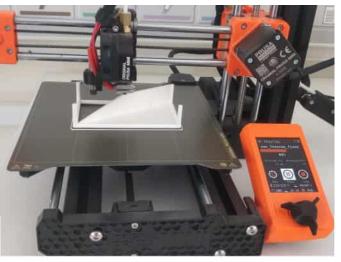


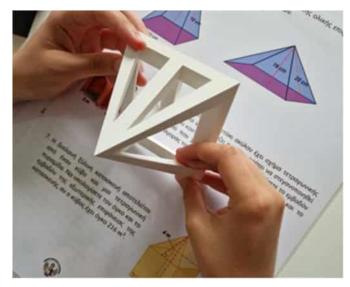
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It's so touching!

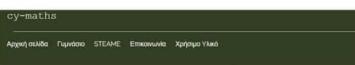
Solid Geometry for Students with Visual Impairment

Solid Geometry, is particularly difficult to be approached by students with visual impairment. This project redesigned the student's textbook in a 3D dynamic form, using the Architectural Program "Sketchup", adapted the shapes in Augmented Reality, implemented them on cy-maths.com and printed them on a 3D printer.





All students can use a mobile device, during class or at home, to access the website, explore the shapes and interact constructively with solid's geometry workbook. Students may also use the 3D printed shapes, explore their parameters and engage effectively in the teaching process.



ΣΕΛ88 ΑΣΚ3

Η στέγη στο διπλανό σπιτάκι σκύλου έχει σχήμα τετραγωνικής πυραμίδας. Για να μη στάζει η στέγη, πρέπει να στεγανοποιηθεί με υλικό που κοστίζει €2.20 ανά m2. Να υπολογίσετε το εμβαδόν του υλικού που χρειάζεται για να καλυφθεί η στέγη και το κόστος αγοράς του.







Visually impaired students can "touch" the exercise and engage effectively in the teaching process.