

ACTIVITĂȚI DE ÎNVĂȚARE ÎN PROIECTAREA PRODUSELOR

DESIGN PRODUCT LEARNING ACTIVITIES

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Abstract: Computer aided design is a concept increasingly useful and advantageous for today's society, where technology is advancing rapidly and the products are increasingly diverse. This paper presents learning online activities as a course in the field of CAD design, useful to high school students. Through Moodle platform activities are presented sequentially, so that students learn to design mechanical parts in 2D, which then shape them in 3D space. The course presents briefly drawing, editing and 3D modeling commands in AutoCAD and 2D and 3D representation exercises. Learning activities are presented in an attractive manner so that students will be easily captivated to learn design principles. Moodle collaborative learning platform is accessible and has a comprehensive set of tools and resources to conducive learning. The course includes a glossary of terms, an initial assessment phase, three modules for 2D and 3D commands, a section describing the stages of drawing parts in 2D and a section for representing parts in 3D space. At the final of the course a final evaluation section is presented. Online learning system allows students to self-improvement in a specific area, according to its own needs and aspirations.

Keywords: product design, online learning activity, CAD, moodle platform, 3D modeling, educational platforms