



Enhancing Creative and Innovative Teaching Skills Through Training and Observation
LESSON PLAN

Lesson	Drawing and its tools
Class / Time	Lower secondary school- first class/ 30 minutes
Unit/Subject/Theme	Creation of a prototype of a common object

Objectives	Activities	Methods and Techniques	Materials	Evaluation
<p>The aim of the lesson is investigate the strategic role of physical prototyping in design, from concept to application, in a context characterized by the increasingly widespread presence of digital technologies and virtual prototypes. Starting from the identification of a prototype, the lesson proposes a critical overview of the elements that characterize prototyping activities in the fields of education, research and technological transfer. Students reinforces abilities to concentrate to spatial relationship through the act of manipulating tiles (spatial relation skills), and they acquire new computer skills. The purpose of the lesson is to make students recognize the main technological systems in the environment around them.</p>	<p>The laboratory activity involves the creation of a prototype of an object of common use, in the particular case of a bowl container.</p> <p>With the proposed activity we want to introduce students to the tools and tools for drawing, to create geometric constructions.</p> <p>The skills that students will have to develop are:</p> <ul style="list-style-type: none"> • conceiving and designing papers; • disassemble and reassemble simple objects. 	<ul style="list-style-type: none"> • Frontal lesson with the use of ICT. • Laboratory teaching. 	<ul style="list-style-type: none"> • Lim (interactive whiteboard) • Personal computer (PC) • Programs for drawing 	<p>The pupils' commitment, creativity and spirit of initiative were evaluated. The ability to conceive and implement projects in a personal and creative way was also evaluated.</p>



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Explanation	<p>The teacher introduces the lesson by showing the real object through the lim, that is the bowl designed and created by the designer Giorgio Munari.</p> <p>The lesson continues with the description of the final purpose of the activity, which consists in the design and construction of a bowl using commonly used materials.</p> <p>Subsequently, the teacher, using the PC connected to the Lim and a program dedicated to drawing, guides the students in the procedure to be followed and at the same time responds to the students' requests, especially regarding the correctness of the execution of the drawing.</p> <p>After completing the basic drawing, the students proceed to coloring and decorating using colored pencils.</p> <p>Finally, with the help of glue and scissors they build their bowl.</p>
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Teacher
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