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WOOD DECORATIVE TECHNOLOGIES

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Abstract: *This contribution present how to use the project methods in practic at usage in education of students of technology. It shows how to advance the activity and creativity by suitably selected topic and problems. Describes short choice of timber decorative technologies and their utilization nearly tutorial in school frames project and troubleshooting method. It shows, how suitably selected topics and problems, as to their complexity and level of dificulty is possible to increase both student's activity and creativity*

Key words: *Inlay, incrustation, project method, teacher's preparation, technical education, topic, motivation, student's interest.*

1. INTRODUCTION

Wood is material, which has played importand role perhaps in all cultures and countries around the world from the prehistoric times. Therefore, the wood may be suitable tool for such activities, involving also basic of some of decorative timber technologies.

These methods may be helping how to achieve better result of their work, higher independence , better decision making and develop of their work management. At last but not at least it is possible, in this way essentially influence students creativity.

I am certain of suitability of such technologies in the process of learning and teaching in the frames of the subject Technical practical. Everybody know, that proper motivation stimulation and support of students may increase the efficiency of the teaching process substantially.

Students can become familiar while processing the wood by means of the more complex and demanding technologies, being forced to make a choice of suitable kind of material, accuracy of work, taking also into account an heterogeneity of this kind of material, resulting from its composition.

Students, being successful in manufacture of such a product, regarded before as one, which had not been possible to produce by their own hands, may gain that required motivation for further creative work, leading also to the teachers good feeling of his success in this endeavour.

Not negligible is also the fact, that student may find certain relation to this material, as one of renewable natural sources, including their understanding the dynamics of the mutual relation between man and natural material.

I have been practicing this project during our Institute study programmes, intended for both, future teachers teaching in basic schools second grade and bachelor studies, of future production managers. The students obtain certain access and relation to the mentioned woodwork technologies and material by means of the project and problems methods of education, including the understanding of material production flow, starting at the rough stage, through semi-products and final products, controlling themselves all the aspects of this process.

2. TIMBER DECORATIVE TECHNOLOGY

Students were given certain problems. They solve them in connection with practical realisation of final products, whose are consistent, having practical usage in everyday life. Starting with the selection of suitable material, choice of suitable and accessible technology of production, including the plotting of the drawing or scheme, product manufacture and final finishing operations. This approach may also positively influence the students palate.

INLAY

The art to cover works of art surface by veneers has long lasting history. It belongs among the most decorative technologies and woodworks, resulting in a nice, not very expensive surface finish with an interesting effect. The basic of each inlay is the idea, drawn on a tracing paper. This operation is followed by the correct selection of veneers, taking into account

namely their colour and structure. In necessity, some pieces may be coloured. All veneers layers are stuck together with being spaced out with a paper. For this purpose we use a close-contact glue. Then we stick on it a copy of the mentioned drawing. Than all the drawn pieces are cut out by means of a scroll saw.

Inlay is then joined together, starting with larger parts and finishing with those little ones. The finished mosaic is then glue stuck on the basic surface, made of common spruce or e.g. chip-board.

In the case of veneers composed of light and dark veneers we can finally obtain two variations of motive, in combination of these colours.

INCRUSTATION

It is the oldest inlay technology. In the principal, it is a decoration by inserting of pieces of precious wood, different structure wood, ivory, tortoise, etc. into slots, prepared in the basic, massive wood. The incrustation motives are usually geometrical figures, lines, squares, rectangles, triangles and stars. Sometimes we can see also figure or plant motifs.

3. CONCLUSION

This article is only a short glance into a wood decorative technologies world and we should be aware of the fact that their variations are substantially wider. I have presented only two, their influence on the students mind and skill so far I have tested.

It is better to use at the beginning, ready made instructions namely to stress on students to know why to use certain technology and what result they could and should expect. They may become well motivated and there is only negligible step left for them to look for and to test their own ideas, techniques and progress. They may lead them to the usage of other projects, choosing different tools and technologies The students interest in a given problem may be so multiplied, if the project method is successfully combined with the emotion motivated element. The above mentioned approaches are especially suitable in this kind of technology education, for both, finding there a wide field of application and influencing positively the students creativity. The problem situations creation, with their trouble shooting approach, supported by the teachers active supervision lead to the development of their individual thinking and independent problems solutions.

We can face the subject of the wood processing in our almost everyday lives. Therefore it is necessary for students to know this subject from the theoretical point of view, but also to test it in practice, find out all the basic possibilities in application. In these days, this method, in connection with wood material is also important not only for students, but for the whole society, realizing the necessity of thoughtful usage and treatment of all kinds of wood substance.

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