Slide 1. - Title

Slide 2. - Kompleksnost modela

As a rule, models for school and county competitions should not be too complex, and are agreed with the county commissioner for the competition.

We are guided by the idea that there should be no more than 3 to 4 plywood per model.

The material is linden or poplar plywood with a thickness of 3 mm

The works should not be too complex, the final finishing is important.

The main idea is to popularize modeling.

Slide 3. - Contest templates

Templates for competitions are usually made on self-adhesive A4 paper.

If possible, they can also be prepared on a CNC laser cutter.

Sometimes various holes are laser cut.

It is preferable to "dirty" the stickers before sticking them on the plywood. This is done by sticking the sticker on a table, or a colleague's T-shirt, etc., in order to collect dirt and dust. It will be easier to peel off the template later.

Slide 4. - Scoring

The preparation of the workplace, orderliness of the workplace during work, organization of work (division of tasks), organization of accessories and tools, handling of tools and machines, application of safety rules at work, functionality of work and precision of finishing are scored.

Additional points are awarded for any functional upgrade. Depending on the work, the aesthetic upgrade is also scored.

Slide 5. - Scoring table



Slide 6. - Examples of models

At the beginning of the documentation it is convenient to describe the model. It is desirable to prepare a few pictures of the finished model, and maybe some details. The order of operations must be specified in the production documentation. 1:1 scale model templates are an integral part of the documentation.

Slide 7. - Trash can; pictures of the finished work

A few pictures of the finished work. Photos of the finished model can help the contestants with their creation.

Slide 8. - Description of the model

It is convenient to describe the work at the beginning of the documentation. What is it for, where else can it be seen. Possibly state some historical fact.

Often some useful object from the past is made.

Or some object that is significant for that region.

Slide 9. - Work procedure

The order of the procedure, or work procedures, are an indispensable part of the technical documentation when creating a model.

The work procedures will help the contestants in planning their work and dividing tasks, so that they can finish their work on time.

Slide 10. - Work procedure

Slide 11. - Templates

The following is a pair of slides with templates printed on self-adhesive A4 paper. Of course, when drawing a template. it is necessary to take care of the best use of the material. Plywood is made from thin sheets of wood. The layers are glued so that the edges of the adjacent layers cross. One layer has grooves longitudinally, the next layer transversely, then the next one longitudinally and so on.

The thinner the board, the fewer layers it has. If the plywood is thin and has only three layers, the top and bottom layers have equally oriented grooves. Then the direction of the grooves on these outer layers is extremely important. When working with thinner plywood, special attention must be paid to the direction of the grooves, so that the sawn part does not crack.

Slide 12. – Templates

Slide 13. – Templates

Slide 14. – Templates

Slide 15 – A few more models; The arbor

Slide 16. – A few more models; The plane

Slide 17. – A few more models; The bridge

Slide 18. – A few more models; The fence