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| Topic: | Science |
| Country: | Latvia |
| Name: | Practical test work "Geometric bodies" |
| Age: | 16 |
| Duration: | 1 hour |
| Objectives: | Strengthening the knowledge gained in carrying out practical tasks. |
| Equipment: | Mathematics formula sheet for calculating volume and surface area for geometric bodies, measuring tape, ruler, calculator, smartphone for taking photos, pen, white paper. |
| Description: | <p>In and around my house I found and photographed required geometric bodies. All taken photos I summarized in one file for easier overview.</p> <p>From the objects found I chose two different types of geometric bodies, performed measurements and calculated surface areas and volumes for them using the equipment described above.</p> <p>For the third task I chose a tree in the backyard, measured its circumference, determined the diameter and calculated the volume for 3 m long log. From these values then I calculated how many m³ of wood and tons of paper I could obtain from the selected tree.</p> |
| Comments: | <p>To complete third task, I had a problem to determinate precise ratio for calculating number of <i>Inacopia elite</i> 4A pages that could be made from chosen tree, because I was careless and not investigating the photo attached to the task.</p> <p>Addressing such tasks was a pleasure and created an even more accurate understanding of the theory's need to deal with practical problems.</p> |