

#### **43. Lilla Korenova**

##### **GeoGebra in elementary education**

GeoGebra in elementary education Mathematics in elementary schools is focused on building basic mathematical literacy and developing cognitive areas - knowledge (facts, procedures), application (using the gathered knowledge to solve real-life problems), reasoning (solving more complex problems, that require a broader view of connections and relationships). The whole process of gathering new mathematical knowledge has to be carried out by the teacher, primarily with the aid of observation and experimentation in the pupils' natural environment. Learning mathematics has to be interesting, so they form a positive relationship towards it and to perceive mathematics as a tool to solve problems from everyday life. To achieve these goals, digital technologies are being used recently. Mostly interactive whiteboards, mobile technologies such as tablets or notebooks. GeoGebra is free software that has endless applications in teaching mathematics, from elementary education, up to university studies. In this paper, we would like to point out some of the possibilities of GeoGebra in elementary education in different contexts. At the same time, we would like to share our experience on how GeoGebra and the methodics of its use got accepted by teachers during continuous education and by future teachers - students of Faculty of Education, Comenius University in Bratislava.