

## **ABSTRACT**

The diploma thesis deals with the teaching of programming at elementary schools in the Czech Republic. The theoretical part of the thesis focuses on mapping the current state of the teaching of programming at elementary schools. In addition, the currently used resources to support the teaching of algorithmization and programming for children are mapped. These resources are evaluated by selected evaluation criteria. On the theoretical basis of thesis, a teaching model focused on programming is designed as a practical output, including learning materials and a methodological manual for teachers. The design of the model of teaching is verified in practice.