

ROBOTICS IN PRIMARY SCHOOL

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Abstract:

Today many construction kits and software tools are available for teaching robotics in primary school. However, choosing the most suitable robotics equipment is the teacher's project. Teachers plan and prepare lessons to activate all pupils. They also think about models through which students will achieve learning objectives. Finally, learning content is adjusted to the curriculum depending on the equipment the teachers have at their disposal.

A variety of possibilities are illustrated, such as using Fischertechnik building blocks in combination with well-known and expanded interface Arduino UNO and freely available software. The paper concludes with advantages of described examples.

Keywords: robotics, mechanics, electronics, computing, Fischertechnik, Arduino