

ABSTRACT

The bachelor's thesis has main purpose in the research of teaching programs focused on the teaching of morphology, anatomy and physiology of plants at the 2nd grade of elementary school. The goal is to get to know the topics of the work in general, then to introduce selected educational programs, as well as to design one of your own, which will also include laboratory exercises.

In the theoretical part, the addressed topic is specified from a professional point of view, and at the same time, it's concept is presented in the RVP ZV. Followed by selected teaching programs, their positive and negative aspects and possibilities of use in teaching, which are presented in more detail.

A teaching program was created as part of the practical part. While creating it, the experience gained from researching other educational programs was taken into consideration. The created educational program set itself the goal of learning from the imperfections of some researched programs.

The newly created tutorial contains a presentation on Anatomy and Morphology, a worksheet on the topic of The Plant body, a laboratory exercise on the topic of Root, a didactic game Trimino on the topic of organelles and a didactic game Risky on the topic of Photosynthesis and respiration.

Selected parts of the educational program were applied to primary schools. During the verification, a few problems appeared, regarding the insufficient knowledge of the pupils. If in the future the teaching program is applied in its entirety, including the introductory presentation, it can be presumed that the students' success in completing the materials will improve.