

Summary

In the introduction of theoretical part of diploma thesis is tabularly summed up the system of birds classification. Other parts are focused not only on general issues and commonly used themes in school textbooks, popular literature and educational media, but also to highlight specific features, characteristic only for the birds.

These themes are historical and evolutionary questions, cover morphology, the effect of the senses, body structure and function of organs. In detail is analyzed the issue of body composition and skeletal system of birds. In the final sections are mentioned specialities in the behavior and communication between birds and their habits.

The practical part includes a SWOT analysis of available textbooks for the four-year gymnasium with regard to the chapters and information about the animal class of birds. The data analyzed in the textbook can only be considered as basic with need to extend and complement by the teacher.

Attached to the diploma thesis are two presentations in Powerpoint, containing basic information and specific features, characteristic only for birds. The presentations are created worksheets.

For reference classes was developed as a lab practical examination of selected thematic blocks, memorized theoretical interpretation.

Students' knowledge of the above-mentioned classes have been verified by a questionnaire survey, was confirmed the average level of knowledge of the topic with value of correct answers about 43%.

Repeated investigation after implementation of the project lesson, accompanied by the above-mentioned presentations, the level of knowledge has increased quite significantly to about 76% of correct answers.

Generally, it managed to extend the knowledge of students and capture their interest in the field of attractive and interesting way.