ABSTRACT

This Bachelor’s thesis deals with the use of aquariums and aquatic animals in biology and natural history lessons. It contains ideas for school experiments and observation of various groups of freshwater animals, which are selected so that the teacher could capture them in Czech waters or buy them in pet shops. This paper presents instructions for observation and experiments regarding aquatic larvae of insects, hydrozoans, turbellarians, molluscs, annelids, arthropods, amphibians and fish. The written school experiments are accompanied by illustrative pictures and videos that will help to understand the experiment or observation. For each of the mentioned animals, its brief characteristics and information about the keeping and establishment of the aquarium are provided.

The thesis also describes cold-water and hot-water aquarium keeping. For each type, the species of animals and plants that can be kept and grown in these aquariums are listed.

The thesis also includes a brief description of the basic aquarium equipment such as lighting, filtration, heating and aeration. It also gives a description of the maintenance, positioning and basic care of a school aquarium.