

The goal of this bachelor's thesis was to prepare a series of experiments in the field of mechanics which could then be included in the electronic Collection of Physics Experiments. The thesis was focused on introducing young students' most common misconceptions in mechanics, specifically those having to do with Newton's third law. The thesis includes ten sets of instructions for experiments focusing on deconstructing these misconceptions. The instructions may serve as inspiration for teachers who wish to demonstrate the experiments within their class. The examples in this thesis may also be used by students who wish to familiarize themselves with the experiments without having to conduct them on their own. While working on this thesis, I have become familiar with the electronic version of the Collection of Physics Experiments which is briefly introduced along with the structure of the experiment design.