

and sports training? If so, what differences are there? At the significance level $\alpha = 0.05$, a higher sensation seeking tendency was detected in the boys group than in the girls group.

Research question 2: are there any differences in preferred learning styles between students of general grammar school classes and classes with extended physical education and sports training? If so, what differences are there? At the significance level $\alpha = 0.05$, differences in persistence in learning, preference for the time of studying and extrinsic motivation from the teacher were found. The students from the sports classes are less persistent in learning than the students from the general classes and they are more motivated by teachers. The girls from the sports classes are motivated by teachers more than all the other groups, while the boys are less persistent than the girls regardless of their class type. The boys from the sports classes and the girls from the general classes more often prefer studying in the evenings, whereas the girls from the sports classes more often prefer to study in the mornings.

It is important to add that all the findings apply only to the 3rd-graders of the four-year study program and to the 7th-graders of the eight-year study program at Czech grammar schools. It also needs to be said that all the mentioned results are statistically significant, but the differences between the observed groups are not dramatic. That is confirmed by factual significance which shows a small effect in all the measured variables. Nevertheless, this study of the relationship between the sensation seeking tendency and preferred learning style contributes to the ongoing discussion concerning the educational process.

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