



# RECREATIONAL USE OF LAND: UNVEILING THE MODERN FRONTIER OF OUTDOOR ADVENTURE - GEOCACHING

**Stanislav Azor, Michal Marko, Štefan Adamčák**

Institute of Physical Education and Sports, Technical University in Zvolen

Faculty of Performing Arts, Academy of Arts in Banská Bystrica

Faculty of Arts, Matej Bel University in Banská Bystrica

**Brno, 2024**

# Study Aim

...exploring the awareness and level of involvement of students in modern frontier of outdoor adventure - Geocaching...



# Materials and Methods

**Table 1** Demographic data of survey group (1 464, 100%)

Demographic data		
<b>Boys</b>	Age	16.60 ± .30 years
<b>Girls</b>		16.80 ± .50 years
<b>Boys</b>	Gender	764, 52.18%
<b>Girls</b>		700, 47.82%

# Materials and Methods

- 3rd year (high school)
- 4 months
- 4-question survey
- 1 question/ 3 answers (Yes, Not sure, No)
- Chi-square test (.01, .05)



# Results

**Table 2** Survey items – Questions 1-2 (1 464, 100%)

<b>Survey Items – Question 1</b>			
	<b>Yes</b>	<b>Not Sure</b>	<b>No</b>
<b>Boys</b>	280, 36.60%	134, 17.52%	350, 45.88%
<b>Girls</b>	190, 27.04%	172, 24.74%	338, 48.22%
<b>Boys + Girls</b>	470, 32.04%	306, 20.98%	688, 46.98%
<b>P = 4.62 E-05; <math>\chi^2_{(2)} = 18,96^{**}</math></b>			
<b>Survey Items – Question 2</b>			
	<b>Yes</b>	<b>Not Sure</b>	<b>No</b>
<b>Boys</b>	240, 31.24%	158, 20.64%	366, 40.12%
<b>Girls</b>	160, 23.02%	144, 20.60%	396, 56.38%
<b>Boys + Girls</b>	400, 27.32%	302, 20.62%	762, 52.06%
<b>P = .001; <math>\chi^2_{(2)} = 14,98^{**}</math></b>			

# Results

**Table 3** Survey items – Questions 3-4 (1 464, 100%)

<b>Survey Items – Question 3</b>			
	<b>Yes</b>	<b>Not Sure</b>	<b>No</b>
<b>Boys</b>	208, 27.20%	296, 38.82%	260, 33.98%
<b>Girls</b>	134, 19.02%	318, 45.20%	248, 35.48%
<b>Boys + Girls</b>	342, 23.30%	614, 42.02%	508, 34.68%
<b>P = .0006; <math>\chi^2_{(2)} = 14.56^{**}</math></b>			
<b>Survey Items – Question 4</b>			
	<b>Yes</b>	<b>Not Sure</b>	<b>No</b>
<b>Boys</b>	194, 25.36%	138, 18.04%	432, 56.60%
<b>Girls</b>	138, 19.60%	162, 23.18%	400, 57.22%
<b>Boys + Girls</b>	332, 22.62%	300, 20.48%	832, 56.90%
<b>P = .006; <math>\chi^2_{(2)} = 10.08^{**}</math></b>			

# Discussion

- ...educators play an important role...
- ...many gaps remain in literature...
- ...schools are changing...
- ...new ways of teaching...
- ...Geocaching in schools (Hartl, 2006; Hellgren et al., 2014).

# Conclusions

- ... initiatives (efforts of educators) should be undertaken...
- ...students may discover new ways of learning, exploring and outdoor fun...
- ...pack your sense of curiosity and embark the modern-day treasure hunt...
- ...promising the endless fun (excitement) and experiences...





**Thank you for your attention!**

