

Final Program and Abstracts

VALUE SYSTEM OF YOUNGER GENERATIONS

14th International Scientific Conference
9th International Methodological Conference
7th ICT in Education Conference



University of Novi Sad
Hungarian Language Teacher Training Faculty
in Subotica

Date: October 15–17, 2020

Venue: The building of the Hungarian Language Teacher Training
Faculty in Subotica
Serbia, 24000 Subotica, 11 Strossmayer street

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October 15–17, 2020
Subotica, Serbia

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BETHLEN GÁBOR
Alap



EMBERI ERŐFORRÁSOK
MINISZTERIUMA

General Information

Date and Place

The Conferences of the Hungarian Language Teacher Training Faculty in Subotica will take place between October 15–17, 2020 in Subotica, Serbia, in the building of the Faculty called Yellow House (11 Strossmayer street).

Languages of the proceedings

Simultaneous translations into Hungarian and Serbian will be provided during the conferences.

The official languages of the conferences are: Hungarian, Serbian, Croatian and English.

Proceedings

Resumes are going to be published in an online book of abstracts

Registration Registration will take place online via Webex.

Thursday, October 15th, 9a.m. – 9:15 a.m.

Friday, October 16th, 9:45a.m. – 10a.m.

Presentations

Participants may share their screens during their presentation in Webex.

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Program



International Interdisciplinary Scientific Conference and International Methodological Scientific Conference

15 October 2020 (Thursday)

- 09.00 – 09.15 Registration for the participants of the Conference
- 09.15 – 09:30 Opening session
- 09.30 – 10.15 Plenary presentation of Siniša Opić Marton, PhD
- 10.15 – 11.00 Plenary presentation of HB Patel, PhD
- 11.00 – 11.30 Coffee break
- 11:30 – 13.00 Presentations in sessions
- 13.00 – 14.00 Lunch
- 14.00 – 17.30 Presentations in sessions

International Conference on ICT in Education

16 October, 2020 (Friday)

- 9.45 – 10.00 Registration for the participants of the ICT in Education Conference
- 10.00 – 10.15 Opening session
- 10.15 – 11.00 Plenary presentation of Annamária Tari
- 11.30 – 13.00 Presentations in sessions
- 13.00 – 13.30 Lunch
- 13.30 – 17.30 Presentations in sessions

14th International Scientific Conference

2020. október 15.		15. oktobar 2020	
RÉSZTVEVŐK REGISZTRÁCIÓJA	9.00 – 9.15	REGISTRACIJA UČESNIKA KONFERENCIJE	
I. SZOBA/ I SOBA			
A RÉSZTVEVŐK KÖSZÖNTÉSE, A KONFERENCIA MEGNYITÁSA	9.15 – 09.30	POZDRAVNI GOVOR, OTVARANJE KONFERENCIJE	
PLENÁRIS ELŐADÁSOK	9.30 – 11.00	PLENARNA PREDAVANJA	
SINIŠA OPIĆ	9.30 – 10.15	SINIŠA OPIĆ	
KAUZALNI I AKAUZALNI NACRTI ISTRAŽIVANJA U DRUŠTVENIM ZNANOSTIMA		KAUZALNI I AKAUZALNI NACRTI ISTRAŽIVANJA U DRUŠTVENIM ZNANOSTIMA	
HB PATEL		HB PATEL	
INDO-EURO PERSPECTIVE AND VALUES IN MODERN TIMES	10.15 – 11.00	INDO-EURO PERSPECTIVE AND VALUES IN MODERN TIMES	
SZÜNET	11.00 – 11.30	PAUZA	
14th International Scientific Conference 2020			
II. szoba/ II. soba			
Elnöklő: <i>Derzsi-Horváth Martina</i>	11.30 – 13.00	Predsedavajući: <i>Martina Derži-Horvat</i>	
<i>Kolta Dóra</i>	11.30 – 11.45	<i>Dóra Kolta</i>	
<i>Csikszenttamási és gödöllői iskolások értékrendjének összehasonlítása</i>		<i>Comparison of the values of schoolchildren in Csikszenttamás and Gödöllő</i>	

<p><i>Cseppentő Krisztina</i></p> <p><i>Double standard – fiatal hősök két műfajban</i></p>	<p>11.45 – 12.00</p>	<p><i>Krisztina Cseppentő</i></p> <p><i>Double standard - young heroes in two genres</i></p>
<p><i>Gábrity Molnár Irén</i></p> <p><i>A multikulturalizmus és a multilingvizmus működése az európai egyetemeken</i></p>	<p>12.00 – 12.15</p>	<p><i>Irén Gabrity Molnár</i></p> <p><i>How multiculturalism and multilingualism work in European universities</i></p>
<p><i>Nagy Richárd et al.</i></p> <p><i>Videó-támogatott újraélesztés oktatás hatékonyságának felmérése általános iskolás diákok körében</i></p>	<p>12.15 – 12.30</p>	<p><i>Richárd Nagy et al.</i></p> <p><i>Effectiveness of video-based resuscitation training among primary school children</i></p>
<p><i>Derzsi-Horváth Martina et al.</i></p> <p><i>A koherencia-érzet és az egészségmagatartás vizsgálata középiskolában - részeredmények</i></p>	<p>12.30 – 12.45</p>	<p><i>Martina Derzsi-Horváth</i></p> <p><i>A research in sense of coherence and health behavior in high school – partial results</i></p>
<p><i>Major Lenke et al.</i></p> <p><i>Tanítóképzős hallgatók „jelenképe”: elégedettség, életcél, társas kapcsolatok</i></p>	<p>12.45 – 13.00</p>	<p><i>Lenke Major et al.</i></p> <p><i>The “image of present” of teacher training students: contentment, life goals, social relationships</i></p>
<p>SZÜNET</p>	<p>13.00 – 14.00</p>	<p>PAUZA</p>

II. szoba/ II. soba		
Elnöklő: <i>Maja Koporčić</i>	14.00 – 15.30	Predsedavajući: <i>Maja Koporčić</i>
<i>Bojana Perić Prkosovački, Sara Raković Melinda Tomić</i> <i>„Service learning“ model iskustvenog učenja zalaganjem u lokalnoj zajednici prikaz, praćenje i vrednovanje školskih projekata</i>	14.00 – 14.15	<i>Bojana Perić Prkosovački, Sara Raković Melinda Tomić</i> <i>“Service learning” Model of experiential learning by committing in a local community, Review, monitoring and evaluation of school projects</i>
<i>Valerija Puškaš et al.</i> <i>Indeks telesne mase i odnos krvnog pritiska i visine tela u predviđanju incidencije hipertenzije kod dece iz Vojvodine (Republika Srbija)</i>	14.15 – 14.30	<i>Valerija Puškaš et al.</i> <i>Body Mass Index and Blood Pressure-to-Height Ratio in Predicting Incidence of Hypertension in Children from Vojvodina (The Republic of Serbia)Valerija Puškaš et al.</i>
<i>Maja Koporčić et al.</i> <i>Javne osobe kao promicatelji vrijednosti na društvenim mrežama – slučaj georgea floyda</i>	14.30 – 14.45	<i>Maja Koporčić et al.</i> <i>Public figures as promoters of values on social networks - the case of George Floyd</i>
<i>Diana Nenadić-Bilan</i> <i>Vrijednosne orijentacije odgajatelja u dječjim vrtićima</i>	14.45 – 15.00	<i>Diana Nenadić-Bilan</i> <i>Value orientations of kindergarten teachers</i>

<i>Željka Požgaj et al.</i> <i>Izazovi i mogućnosti međugeneracijske suradnje i dječjeg vrtića „medveščak“ za stvaranje vrijednosnih sustava novih naraštaja</i>	15.00 – 15.15	<i>Željka Požgaj et al.</i> <i>Challenges and opportunities of intergenerational cooperation and kindergarten "medveščak" for creating value systems of new generations</i>
<i>Emina Berbić Kolar et al.</i> <i>Models of learning and teaching Croatian as a foreign language</i>	15.15 – 15.30	<i>Emina Berbić Kolar et al.</i> <i>Models Of Learning And Teaching Croatian As A Foreign Language</i>
SZÜNET	15.30 – 16.00	PAUZA
II. szoba/ II. soba		
Elnöklő: <i>Lucija Periš</i>	16.00 – 17.30	Predsedavajući: <i>Lucija Periš</i>
<i>Violeta Valjan Vukić</i> <i>Aktivnosti djece i roditelja u slobodnom vremenu</i>	16.00 – 16.15	<i>Violeta Valjan Vukić</i> <i>Activities of children and parents in the leisure time</i>
<i>Violeta Valjan Vukić et al.</i> <i>Suradnja obitelji i škole iz perspektive učitelja razredne nastave</i>	16.15 – 16.30	<i>Violeta Valjan Vukić et al.</i> <i>Cooperation between family and school from the perspective of primary school teachers</i>

<i>Marina Đuranović et al.</i> <i>Popustljiv roditeljski odgojni stil i odgojne vrijednosti djece</i>	16.30 – 16.45	<i>Marina Đuranović et al.</i> <i>Permissive Parenting and Children's Educational Values</i>
<i>Lucija Periš et al.</i> <i>Vrijednosno i žanrovsko čitanje Verneovog romana "Put oko svijeta u 80 dana"</i>	16.45 – 17.00	<i>Lucija Periš et al.</i> <i>Value and Genre Analysis of Verne's Novel "Around the World in 80 Days"</i> Lucija
<i>Dragana Francišković</i> <i>Vrednosni sistemi u književnom tekstu: motiv odricanja, štednje, straha od trošenja u „Gospođici" I. Andrića</i>	17.00 – 17.15	<i>Dragana Francišković</i> <i>Value systems in a literary text: the motive of renunciation, saving, fear of spending in "Miss" by I. Andrić</i>
<i>Madunić Marijan</i> <i>Hybrid Teaching</i>	17.15 – 17.30	<i>Madunić Marijan</i> <i>Hibridno poučavanje</i>

9th International Methodological Conference

2020. október 16.		16. oktobar 2020	
RÉSZTVEVŐK REGISZTRÁCIÓJA	9.45 – 10.00	REGISTRACIJA UČESNIKA KONFERENCIJE	
A RÉSZTVEVŐK KÖSZÖNTÉSE, A KONFERENCIA MEGNYITÁSA	10.00 – 10.15	POZDRAVNI GOVOR, OTVARANJE KONFERENCIJE	
<p style="text-align: center;">PLENÁRIS ELŐADÁS</p> <p style="text-align: center;">TARI ANNAMÁRIA</p> <p style="text-align: center;">ÉRTÉKEK ÁTALAKULÁSA A XXI. SZÁZADBAN</p> <p style="text-align: center;">- AZ ONLINE TÉR ÉS KÖZÖSSÉGI MÉDIA NORMAKÉPZŐ HATÁSA</p>	10.15 – 11.00	<p style="text-align: center;">PLENARNO PREDAVANJE</p> <p style="text-align: center;">ANAMARIJA TARI</p> <p style="text-align: center;">TRANSFORMATION OF VALUES IN THE XXI. CENTURY</p> <p style="text-align: center;">- THE NORM-SETTING EFFECT OF ONLINE SPACE AND SOCIAL MEDIA</p>	
SZÜNET	11.00 – 11.30	PAUZA	
9th Methodological Scientific Conference 2020			
2020. október 16.		16. oktobar 2020	
Elnöklő: Takács Márta	11.30 – 13.00	Predsedavajući: Marta Takač	
<p style="text-align: center;"><i>Dragana Glogovac</i></p> <p style="text-align: center;"><i>Redesign of methodological referential frame in mathematics class teaching</i></p>	11.30 – 11.45	<p style="text-align: center;"><i>Dragana Glogovac</i></p> <p style="text-align: center;"><i>Redizajn metodičkog referentnog okvira u razrednoj nastavi matematike</i></p>	
<p style="text-align: center;"><i>Jelena Knežević</i></p> <p style="text-align: center;"><i>Mathematical problem tasks in the project - thematic week</i></p>	11.45 – 12.00	<p style="text-align: center;"><i>Jelena Knežević</i></p> <p style="text-align: center;"><i>Problemski matematički zadaci u projektno – tematskoj nedelji</i></p>	

<p><i>Andelija Ivkov Džigurski, Ljubica Ivanović Bibić, Dejan Bibić, Smiljana Đukičin Vučković, Jelena Milanković Jovanov, Angelina Opalić</i></p> <p><i>Mind maps in geography education in the 8th grade</i></p>	<p>12.00 – 12.15</p>	<p><i>Andelija Ivkov Džigurski, Ljubica Ivanović Bibić, Smiljana Đukičin Vučković, Jelena Milanković Jovanov, Angelina Opalić</i></p> <p><i>Mape uma u nastavi geografije VIII razreda</i></p>
<p><i>Ljubica Ivanović Bibić</i></p> <p><i>Teaching practice in schools for educating adults</i></p>	<p>12.15 – 12.30</p>	<p><i>Ljubica Ivanović Bibić</i></p> <p><i>Realizacija nastave u školama za obrazovanje odraslih</i></p>
<p><i>Krisztina Szőcs</i></p> <p><i>The impact of computer assisted language learning on learners' beliefs about learner autonomy and on their autonomous behaviours. A comparative study</i></p>	<p>12.30 – 12.45</p>	<p><i>Krisztina Szőcs</i></p> <p><i>The impact of computer assisted language learning on learners' beliefs about learner autonomy and on their autonomous behaviours. A comparative study</i></p>
<p><i>Fehér Zoltán, Jaruska Ladislav, Szarka Katarína</i></p> <p><i>A természettudományos gondolkodás és kutatási készségek elemzésének eredményei kémiai és fizikai feladatok segítségével</i></p>	<p>12.45 – 13.00</p>	<p><i>Fehér Zoltán, Jaruska Ladislav, Szarka Katarína</i></p> <p><i>Results of analysis of scientific thinking and inquiry skills through chemical and physical tasks</i></p>
<p>SZÜNET</p>	<p>13.00 – 13.30</p>	<p>PAUZA</p>

Elnöklő: Takács Márta	13.30 – 15.00	Predsedavajući: Marta Takač
<i>Andrea Bencéné dr. Fekete</i> <i>Practices of trainee pedagogues during the digital education</i>	13.30 – 13.45	<i>Andrea Bencéné dr. Fekete</i> <i>Practices of trainee pedagogues during the digital education</i>
<i>Bencéné dr. Fekete Andrea - Farkas Beáta</i> <i>Roma szakkollégisták életútja és jövőképeinek alakulása</i>	13.45 – 14.00	<i>Bencéné dr. Fekete Andrea - Farkas Beáta</i> <i>The Career and Vision of the Students of Roma College of Advanced Studies</i>
<i>Tóthné Aszalai Anett</i> <i>A szabadkai logopédusképzés tapasztalatai</i>	14.00 – 14.15	<i>Tóthné Aszalai Anett</i> <i>Experiences of the speech and language therapist's teaching in Subotica</i>
<i>Tóthné Aszalai Anett, Pintér Melinda</i> <i>A topolyai magyar anyanyelvű pedagógusok hanghasználat</i>	14.15 – 14.30	<i>Tóthné Aszalai Anett, Pintér Melinda</i> <i>Hungarian-speaking teachers use of voice in Topolya</i>
<i>Holik Ildikó – Sanda István Dániel</i> <i>Oktatás-nevelés – értékelés-értékrend</i>	14.30 – 14.45	<i>Holik Ildikó – Sanda István Dániel</i> <i>Education – Assessment – Values</i>
<i>Magyar Adél</i> <i>Szülői elvárások és szolgáltatásszervezés a magyarországi korai fejlesztés kialakításában</i>	14.45 – 15.00	<i>Magyar Adél</i> <i>Parental expectations and service organization in the formation of early development in Hungary</i>

SZÜNET	15.00 – 15.30	PAUZA
Elnöklő: Takács Márta	15.30 – 17.00	Predsedavajući: Marta Takač
<i>Kaposi József</i> <i>A történelmi műveltség - változó történelemtanítása</i>	15.30 – 15.45	<i>Kaposi József</i> <i>Historical literacy - changing history teaching</i>
<i>Gelencsérné Dr. Bakó Márta - Polyákné Brandtmüller Anikó - Szabó Adrienn – Szabóné Kovács Gabriella</i> <i>Gyógypedagógus hallgatók integrációs felkészítése a köznevelésben</i>	15.45 – 16.00	<i>Gelencsérné Dr. Bakó Márta - Polyákné Brandtmüller Anikó - Szabó Adrienn – Szabóné Kovács Gabriella</i> <i>Integration preparation of special needs teacher students in public education</i>
<i>Magyar Ágoston</i> <i>Az Y generációs gyógypedagógusok értékorientációja</i>	16.00 – 16.15	<i>Magyar Ágoston</i> <i>Value orientation of Y generation special education teachers</i>
<i>Dr. Hosszú Tímea</i> <i>Az idegen nyelvi önbizalom szerepe az enyhén értelmi fogyatékos tanulók idegen nyelvi motivációjában</i>	16.15 – 16.30	<i>Dr. Hosszú Tímea</i> <i>The role of foreign language self-confidence in the foreign language motivation of students with mild intellectual disabilities</i>
<i>Blatt Péterné</i> <i>A mozgás szeretetére nevelés jelentősége napjainkban</i>	16.30 – 16.45	<i>Blatt Péterné</i> <i>The significance of education for affection of activity nowadays</i>

<p><i>Ladányi Lili</i></p> <p><i>Az inkluzív táborozáspedagógia eszméje</i></p>	<p>16.45 – 17.00</p>	<p><i>Ladányi Lili</i></p> <p><i>Inclusive camp education</i></p>
<p><i>Albert Gábor</i></p> <p><i>Szinyei Merse Jenő és a tankönyvígy (1942-1944)</i></p>	<p>17.00 – 17.15</p>	<p><i>Albert Gábor</i></p> <p><i>Jenő Szinyei Merse and the textbook issue (1942-1944)</i></p>
<p><i>Kovács Elvira, Pintér Krekić Valéria</i></p> <p><i>A szabadkai Magyar Tannyelvű Tanítóképző Kar negyedéves hallgatóinak attitűdvizsgálata a matematikatanítással kapcsolatosan</i></p>	<p>17.15 – 17.30</p>	<p><i>Kovács Elvira, Pintér Krekić Valéria</i></p> <p><i>Attitude survey of the quarterly students of the Hungarian Language Teacher Training Faculty in Subotica in relation to mathematics teaching</i></p>
<p><i>Pintér Krekić Valéria, Josip Ivanović, Takács Márta, Kovács Elvira</i></p> <p><i>Unapređenje kvaliteta profesionalne prakse u sistemu obrazovanja učitelja na mađarskom nastavnom jeziku u AP Vojvodini</i></p>	<p>17.30 – 17.45</p>	<p><i>Pintér Krekić Valéria, Josip Ivanović, Takács Márta, Kovács Elvira</i></p> <p><i>Improvement of practicals in the hungarian teacher training in Vojvodina</i></p>

7th ICT in Education Conference

2020. október 15.		15. oktobar 2020	
RÉSZTVEVŐK REGISZTRÁCIÓJA	9.00 – 9.15	REGISTRACIJA UČESNIKA KONFERENCIJE	
I. SZOBA/ I SOBA			
A RÉSZTVEVŐK KÖSZÖNTÉSE, A KONFERENCIA MEGNYITÁSA	9.15 – 09.30	POZDRAVNI GOVOR, OTVARANJE KONFERENCIJE	
PLENÁRIS ELŐADÁSOK	9.30 – 11.00	PLENARNA PREDAVANJA	
SINIŠA OPIĆ	9.30 – 10.15	SINIŠA OPIĆ	
KAUZALNI I AKAUZALNI NACRTI ISTRAŽIVANJA U DRUŠTVENIM ZNANOSTIMA		KAUZALNI I AKAUZALNI NACRTI ISTRAŽIVANJA U DRUŠTVENIM ZNANOSTIMA	
H.B. PATEL	10.15 – 11.00	H.B. PATEL	
INDO-EURO PERSPECTIVES AND VALUES IN MODERN TIMES		INDO-EURO PERSPECTIVES AND VALUES IN MODERN TIMES	
SZÜNET	11.00 – 11.30	PAUZA	
7th ICT in Education Conference 2020			
2020. október 15.		15. oktobar 2020	
IV. szoba/ IV. soba			
Elnöklő: Námesztovszki Zsolt	11.30 – 13.00	Predsedavajući: Zsolt Námesztovszki	
<i>Námesztovszki Zsolt, Grabovác Beáta, Kovács Cintia, Kalmár Laura</i>	11.30 – 11.45	<i>Zsolt Námesztovszki, Beáta Grabovác, Cintia Kovács, Laura Kalmár</i>	
Az online oktatás lehetőségei és korlátai Szerbiában a COVID-19 járvány ideje alatt		The opportunities and limitations of online education in Serbia during the COVID-19 pandemic	

<p><i>Molnár György, Orosz Beáta</i></p> <p>A digitális eszközök és rendszerek használata a digitális nemzedékek körében, ezek értékelése a digitális átállás korszakában</p>	<p>11.45 – 12.00</p>	<p><i>György Molnár, Beáta Orosz</i></p> <p>The description and evaluation of the digital generation's use of digital devices and systems at the time of digital transformation</p>
<p><i>Ujbányi Tibor</i></p> <p>Szem-kéz koordináció vizsgálata az egér mozgatásával összefüggésben egy informatikai feladat megoldása közben</p>	<p>12.00 – 12.15</p>	<p><i>Tibor Ujbányi</i></p> <p>Examining eye-hand coordination in the context of moving a mouse while solving an IT task</p>
<p><i>Ujbányi Tibor, Nagy Bálint, Stankov Gordana,</i></p> <p>Oktatási környezet bemutatása MaxWhere 3D-s virtuális térben</p>	<p>12.15 – 12.30</p>	<p><i>Tibor Ujbányi, Bálint Nagy, Gordana Stankov</i></p> <p>Introducing an educational environment in MaxWhere 3D virtual space</p>
<p><i>Gógh Előd, Kővári Attila</i></p> <p>Tanulási tényezőkkel összefüggésben elvégzett komplex kérdőíves kutatás belső konzisztenciájának elemzése egy vizsgálat kapcsán</p>	<p>12.30 – 12.45</p>	<p><i>Előd Gógh, Attila Kővári</i></p> <p>Analysis of the internal consistency of complex questionnaire examine learning factors in connection with a study</p>
<p><i>Kővári Attila, Katona József</i></p> <p>Algoritmikus gondolkodás elemzése egy vizsgálat kapcsán</p>	<p>12.45 – 13.00</p>	<p><i>Attila Kővári, József Katona</i></p> <p>Analysis of algorithmic thinking in relation to an investigation</p>
<p>EBÉDSZÜNET</p>	<p>13.00 – 14.00</p>	<p>PAUZA</p>

IV. szoba/ IV. soba		
Elnöklő: Námesztovszki Zsolt	14.00 – 15.00	Predsedavajući: Zsolt Námesztovszki
<i>Bartal Orsolya</i> Új IKT kihívások az iskolában és otthon: kényszerű digitális átállás	14.00 – 14.15	<i>Orsolya Bartal</i> New ICT Challenges in Schools and at Home: Inevitable Digital Transformation
<i>Kovács Cintia, Námesztovszki Zsolt, Grabovác Beáta, Kalmár Laura</i> Hatékony karanténoktatás	14.15 – 14.30	<i>Cintia Kovács, Zsolt Námesztovszki, Beáta Grabovác, Laura Kalmár</i> Effective quarantine teaching
<i>Urbán Dorottya</i> Tanítás és tanulás a digitális pedagógia korában	14.30 – 14.45	<i>Dorottya Urbán</i> Teaching and learning in the age of digital pedagogy
<i>Szél Ágnes</i> Mobil eszközökkel támogatott anyanyelvi óra	14.45 – 15.00	<i>Ágnes Szél</i> Mother tongue language teaching with mobile devices
<i>Kohanec Mónika</i> IKT a zeneoktatásban	15.00 – 15.15	<i>Mónika Kohanec</i> ICT in the music education
<i>Dávid János</i> A geoládavadászat (geocaching) alkalmazási lehetőségei az iskolai oktatásban	15.15 – 15.30	<i>János Dávid</i> Possibilities of using geocaching in school education

Abstracts



14th International Scientific Conference

TECHNICAL TEACHER TRAINING - NEW CHALLENGES AND TASKS

Within teacher training, the training of special professional teachers has been characterised, for a long time, by a diverse training structure due to diversity and a wide range of orientations, yet professional teacher training is a uniform and independent branch of teacher training. Technical teachers: engineer-teachers, former technical teachers, special technical teachers; technician-teachers, technical educators and technical trainers are a significant group of teachers. The teachers of technical training are now elderly, the number of students entering vocational teacher training is on a curbing trend year by year, and there is an increasing number of career leavers among the graduates. We can rightly ask the questions: Who are the future generations? Is there a problem with professional teacher training? Is there a problem with professional teachers?

Keywords: technical teacher training, technical teachers, engineer-teacher, technical trainer, career motivation

BÁLINT, Krisztián

OBSERVATIONS OF STUDENTS FROM THE SINGIDUNUM UNIVERSITY IN BELGRADE AND OBUDA UNIVERSITY ABOUT MODERN, IN-SCHOOL SECURITY CAMERA SYSTEMS

The new generations of students are increasingly surrounded by modern IT solutions. The present research aims to uncover the views of the students from Hungary and from Serbia about a blockchain-based security camera system which has not been put through until now, and which would enable a more complex level of surveillance for the universities. Thanks to the numerous, analytic functions to be implemented, possibilities arise for the recognition of students, identifying them by name, utilizing this system. What's more, the system is capable of determining the exact location of every student within the premises of the institution. These features would also enable the cameras to compose an attendance register, by which the daily administrative burden upon the lecturers could be greatly alleviated. As this modern security camera system gathers numerous kinds of data about the students, it is expedient to ask for their opinion about this topic.

Keywords: security camera, video surveillance, blockchain, attendance register of students

BERBIĆ KOLAR, Emina – ČOSIĆ, Krešimir

MODELS OF LEARNING AND TEACHING CROATIAN AS A FOREIGN LANGUAGE

The aim of this paper is to present an overview of the model of learning and teaching Croatian as a foreign language, in work with students who encounter the Croatian language for the first time. In order to better illustrate how to work with such students at home, the paper will try to compare theoretical knowledge and practical implementation with foreign experiences and practices, methods of testing and evaluation, and try to establish the degree of language proficiency at the end of preparatory classes. It is standardized in different countries, in what conditions it is performed and how long it lasts. A classification of teaching models that are common and those that are specific to individual educational systems will be made. Also, it will be investigated who teaches such children, considering the professional qualification and how the training for lecturers is conducted and at what level.

Keywords: The aim of this paper is to present an overview of the model of learning and teaching Croatian as a foreign language, in work with students who encounter the Croatian language for the first time. In order to better illustrate how to work with such student

CSEPPENTŐ, Krisztina

DOUBLE STANDARD - YOUNG HEROES IN TWO GENRES

Today, we live in a world of images: models have become increasingly visual. The way we choose to follow a trend is much more influenced by media nowadays; young people of today's society obtain their role models from movies and pop music. For a long time, however, literature served as a means of conveying role models. This paper attempts to address the changes in value orientation through the study of a literary genre. In this regard, it points out that literary role models and such models in films have quite a few things in common. The doctoral dissertation which serves as the basis for the present paper analyses how the complex phenomenon of upbringing (Bildung) appears in German language apprenticeship novels. Education always rests upon an implicit anthropology, which is closely related to the philosophical problem of values.

Keywords: apprenticeship novel, value orientation, discourse analysis, initiation, pedagogy

A RESEARCH IN SENSE OF COHERENCE AND HEALTH BEHAVIOR IN HIGH SCHOOL – PARTIAL RESULTS

Objectives: To map the sense of coherence of high school students and to examine the relationship between health behavior and mental health. Sampling and method: Qualitative and quantitative research among high school students, using self-designed and standard questionnaires. For pre-selected groups we were providing a series of programs supporting mental hygiene, where we were using the methodology of observation, student self-reflection, and focus group interview. Data are processed using SPSS 20.00 statistical software with a set 95% confidence level ($p \leq 0.05$). Partial results: The average age of the initial high school sample of 49 people was 14.75 years. The sense of coherence is positively related to well-being ($p = 0.026$), life satisfaction ($p = 0.001$), and mean self-esteem ($p < 0.001$). Conclusions: Based on the partial results, it can be said that the development of a sense of coherence has positive effect on an individual's mental health.

Keywords: sense of coherence, health behavior, mental health

DURANOVIĆ, Marina – KLASNIĆ, Irena – MARAS, Andrej

PERMISSIVE PARENTING AND CHILDREN'S EDUCATIONAL VALUES

Family is the most important factor in the life of a child. Under the family's influence the view of life, world, other people and human relationships is created, habits are formed, norms of behavior acquired, and the character and value system are built. Being a parent and successfully raising a child is a complex task and a difficult challenge nowadays. Many parents often feel helpless and do not know how to rise up to this challenge so they make numerous mistakes. One of these mistakes is permissive parenting and overprotecting a child. Excessive lenience and overprotecting children lessens their resilience as well as the possibility of realizing quality interactions with other people. Later as adults such children have difficulty facing life's adversities, do not want to take responsibility, nor have the self-discipline instilled in them. The goal of this work is to underline the importance of stimulating and building human strengths and virtues in the family context.

Keywords: child, family, upbringing, style of parenting, values

FRANCIŠKOVIĆ, Dragana

VALUE SYSTEMS IN A LITERARY TEXT: THE MOTIVE OF RENUNCIATION, SAVING, FEAR OF SPENDING IN "MISS" BY I. ANDRIĆ

In this paper, we consider value systems in the work "Miss" by I. Andrić with a special focus on the motive of renunciation, saving and fear of spending. In this paper, we analyze the genesis of certain value attitudes, the influence of the family and the consequences that certain value systems have on the quality of life.

Keywords: Ivo Andrić, Miss, materially, spiritually

GÁBRITY MOLNÁR, Irén

HOW MULTICULTURALISM AND MULTILINGUALISM WORK IN EUROPEAN UNIVERSITIES

The aim of my work is to explore the operation of multilingual institutions in the multicultural environment of Europe, in terms of the activities of multilingual universities. Regional and cross-border cooperation between higher education institutions is a good practice in Europe, as it allows universities to respond appropriately to the needs of the labor market. Training the most needed professionals contributes to the development of human resources in a given region. It is a good practice of the European institutions to develop a multicultural personality while nurturing a minority culture. In the dissertation, we can experience the pros and cons of the activities of the continent's multilingual universities on the example of five models of multinational education.

Keywords: multiethnic regions, university language of instruction

GRABOVAC, Beáta

POSITIVE PSYCHOLOGY RESEARCH IN VOJVODINIAN CONTEXT

Dealing with the questions of mental health and illness, this paper contrasts the results of homeland and foreign research through the prism of positive psychology. It analyzes studies, which are connected to Vojvodina and Serbia and have worked with Hungarian or Serbian participants. The aim of the study is to compare these research results with foreign ones and to reveal the usefulness of the methods of positive psychology for studies conducted on adult participants from Serbia.

Keywords: positive psychology, well-being, Vojvodina

**GRABOVAC, Beáta – NÁMESZTOVSZKI, Zsolt – KALMÁR, Laura –
KOVÁCS, Cintia**

ADVANTAGES AND DISADVANTAGES OF ONLINE AND OFFLINE TEACHING IN RELATION TO ACHIEVEMENT

The aim of the study on one hand is to process such psychological and pedagogical studies, which deal with traditional or in some way modernized educational processes and have revealed their level of successfulness. We would like to analyze the concept of procrastination more deeply and test its effect on school/educational achievement/success. Our aim is to develop the Hungarian validation of Tuckman's (1991) Procrastination Scale. On the other hand the paper filters such momenta, which differ in online and offline learning circumstances and may pose difficulties that should be overcome.

Keywords: online teaching, procrastination, achievement

GYÖRE, Géza

PRESENTATION OF THE VALUES OF DIGITAL GENERATIONS IN THE HUNGARIAN PEDAGOGICAL AND PSYCHOLOGICAL LITERATURE

Generational theories have been the subject of numerous publications in recent years (Nemes: Generational Myths, Stigervald: The Fight of Generations, Szekszardi: digitalis_de_generacio 2.0., etc.). Some of them are limited to the presentation of generations, while some works focus on the worldview and values of digital generations. In the course of our research, we compared these views and attempted to create a unified digital generation value system. Based on our research, it can be concluded that a significant part of the large number of publications starts from the generation theory developed by Mannheim, which can be said to be traditional, and tries to string a number of generations, including digital generations. Some publications (eg the works of Orsolya Nemes) also try to outline the basic features of future generations. We cannot talk about an elaborate experiment in the Hungarian language literature that has developed a value system that also meets scientific standards.

Keywords: Digital generations, values, future vision

JUHÁSZ, Ibolya

RELATIONSHIPS BETWEEN PERINATAL EXPERIENCES, DEVELOPMENTAL DIFFERENCES AND LEARNING

The circumstance of birth, can have a strong effect on the later development and life of the child to be born. Perinatal experience will become a determining pattern in farther development and changes. The aim of our research was to get to know the connections between perinatal risk factors and development and learning. We examined the correlation between the developmental variables and learning and the perinatal anamnesis of the disharmoniously developing children aged 0-6 years, n = 122, showing up at special medical services. We applied semi-structured interviews, observation and progress tests. There is a high number of perinatal organic and psychological risk factors in the anamnesis of the children. The presence of risk factors is significantly high in the case of developmental, partial ability and learning disabilities. In the sample of those who came to us 3.63 times more, other, further developmental disorders occur during the development.

Keywords: birth pattern, developmental pattern, perinatal trauma, early intervention and prevention, risk factors in normative changes, learning disabilities

KISS, Zoltán – SZÓCS, Krisztina – SZILÁGYINÉ SZINGER, Ibolya

THE BRIEF HISTORY OF HUNGARIAN TEACHER TRAINING FOR LOWER ELEMENTARY SCHOOL TEACHERS FROM THE BEGINNINGS TO PRESENT DAYS

Eötvös József College celebrates the 150th anniversary of founding teacher training in Baja on 17 October 2020. For this occasion, we intend to present a brief summary of the history of Hungarian teacher training. Following a chronological order, we will touch upon the early centuries of the Hungarian educational system followed by the period of teacher education regulated by royal decrees. Next, we intend to focus on focus on the era of statutory secondary teacher training, which included numbers of key measures. Another milestone in Hungarian teacher training was its entry into tertiary education, the initial stage of which, tertiary vocational schools have already created tertiary education based on the secondary education of the teachers. The real breakthrough, however, was elevating teacher training to college rank, which extended from the initial three-year course to four years over time. Finally, we will provide an overview on the 150 years of teacher training in Baja.

Keywords: Teacher training, Hungarian education, educational changes

KOLTA, Dóra

COMPARISON OF THE VALUES OF SCHOOLCHILDREN IN CSÍKSZENTTAMÁS AND GÖDÖLLŐ

Lecturers of the Szent István University of Gödöllő have been organizing village research camps in the Carpathian Basin for decades. In the summer of 2019, university teachers, researchers, as well as university and high school students carried out a questionnaire survey, conducted interviews and collected statistical data of the village. An online questionnaire was also filled out by pupils both in Csíkszenttamás and in Gödöllő. Our study compared the world view(s) of students visiting the 5-8th classes of a leading high school in a developed Hungarian town, and of a secondary school in a village in Szeklerland. The age group of 11-15 year olds is part of the Z-generation, and the survey has been also focused on the characteristics of that unique generation. A sum of 156 questionnaires has been filled out, which reflect the similarities and differences between the two settlement's social status, economical possibilities, and the youth's outlook on the future.

Keywords: Value research, Z-generation, worldview, Csíkszenttamás, Gödöllő

KOPORČIĆ, Maja – NUHANOVIĆ, Sanja

PUBLIC FIGURES AS PROMOTERS OF VALUES ON SOCIAL NETWORKS - THE CASE OF GEORGE FLOYD

Achieving coexistence in a culturally diverse society requires the promotion of intercultural dialogue of all those whose actions can influence the creation of a more tolerant and peaceful society. In the reversible relationship between media and society, the influence of society on the development of media is unquestionable, but also the influence of media on changing social relations, both negatively through social conflicts and positively by promoting social values and orientations of individuals and society. With the emergence of social networks, the elites of public figures are becoming a significant factor influencing public opinion. On the case of George Floyd, which the authors analyze in the paper, numerous public figures across the United States have provided support through statuses on social networks. The results of the research indicate that a positive effect on the patterns of social relations is observed in the network communication of public figures.

Keywords: intercultural dialogue, intercultural sensitivity, social networks, values, elites

POSITIVE HEALTH IN HUNGARIAN CURRICULUM-SYSTEM

A positive education (PE) modellje (Norrish 2015, Seligman 2009,2011,2018) a diákok egészségét és jóllétét helyezi középpontba, ezzel fejleszti a tanulási folyamat hatékonyságát. Célja az egészség ápolása explicit tanítással és tanulással, valamint olyan implicit stratégiák révén, amelyek elősegítik a biztonságos és egészséges viselkedés kialakítását és elsajátítását, valamint annak gyakorlati alkalmazását. A PE modell (Seligman, 2008) meghatározása szerint a pozitív egészség (Hupper and Johnson, 2010) több összetevőből áll, a teljes egészség akkor valósul meg, amikor egy személy fizikailag, szellemileg, szociálisan és érzelmileg is jól van. Jelen tanulmányban disszertációim részeredményeit jelenítem meg, melyben a PE modell „positive health” elemei és indikátorai desk research módszerrel, a konceptualizálást követően pedig abszolút gyakoriság alapján kerültek operacionalizálásra, MAXQDA-val támogatott szemantikai tartalomelemzéssel egyes tantervi szabályozókban Magyarországon.

Keywords: positive education, positive health, curriculum system

LANGERNÉ BUCHWALD, Judit

ALTERNATIVE PEDAGOGIES AS VALUE PEDAGOGIES

There is no valueless pedagogy, because the mediation of culture always takes place along value choices and commitment obligations. Therefore, like all pedagogies, alternative pedagogies can be analyzed from an axiological and normological point of view (Zsolnai, 1996). Based on the analysis formulated by Zsolnai (1996), our analysis attempts to typify the three alternative pedagogies currently operating in Hungarian public education, Waldorf pedagogy, Value mediation and skills development pedagogy and Montessori pedagogy, and compares these three selected alternative pedagogies, along value dimensions a show organized they were, how legitimate their existence is in public education, and we also compare the pedagogical activities of each pedagogy related to value choice, value proposition and value realization.

Keywords: Theoretical pedagogy, alternative pedagogy, axiology

**MAJOR, Lenke – HORÁK, Rita – PINTÉR KREKITY, Valéria –
NÁMESZTOVSZKI, Zsolt – KALMÁR, Laura**

THE “IMAGE OF PRESENT” OF TEACHER TRAINING STUDENTS: CONTENTMENT, LIFE GOALS, SOCIAL RELATIONSHIPS

The education system plays a huge role in the establishment of healthy lifestyle habits among future generations. Youngsters spend a lot of time and several years in educational institutions, which heavily influences their way of thinking, well-being and their relationship to themselves. Along the subject and professional knowledge that they acquire, their free time activities are also very crucial including their social relationships and to what direction their body, soul and mental development tends to. Our research was conducted among the students of the University of Novi Sad, Hungarian Language Teacher Training Faculty in Subotica. The most significant criteria of their behavior and emotions were tested as well as their contentment with life, their life goals and quality of social relationships. The results provide an image of the teacher training institutions' efficiency regarding the formation of healthy lifestyle habits and can contribute to the development of its efficiency.

Keywords: health education, life goal, contentment, behavior, social relationships

MEISZNERNÉ KUKLEK, Noémi – PUSZTAFALVI, Henriette

UNDER GUARDIANSHIP – OPPORTUNITIES FOR LABOUR MARKET INTEGRATION WITH REFERENCE TO A CASE STUDY

In Hungary, 10% of the population lives with some sort of disability, a particular group of which is formed by people under guardianship. In relation to the case study, we would like to introduce the basic rules concerning guardianship and - by means of the case study - to give a description of the results obtained through the development of the skills necessary for employment, the process of the development of psychosocial skills,. We tried to shed light on the individual and societal correlations of social problems, that is, what kind of social and individual factors have an influence on an individual's role in society. Through the case study, our aim is to demonstrate the impact and possibilities of labour market integration on the individual, which also has a positive effect on the management of social problems in the long run.

Keywords: reduced capacity to work, disability, guardianship, workplace integration, capacity to act

A MODERN APPROACH TO TEACHING A NEW GENERATION OF GIFTED STUDENTS

The time of new technologies, modern media, virtuality and availability of information, requires a change in the way of learning and teaching a new generation of students, especially those for whom information from textbooks does not satisfy the interests and desire for knowledge. These are gifted and talented students. The teacher's task is to replace the usual class situation in which the contents, methods and forms of work were adapted to the average majority of students in the class. Therefore, the contents implemented in individualized programs for them are above the prescribed regular program, more complex than in the offered textbooks. The paper will elaborate on the possibilities, models and methods of working with gifted and talented students, and will analyze the consequences of not recognizing these phenomena, which, as numerous studies show, can cause many difficulties in the emotional field and in social contexts.

Keywords: gifted children, individualized curriculum, behavioral disorders, contemporary approach, talent

**NAGY, Richárd – BÁNFAI-CSONKA, Henrietta – DEUTSCH, Krisztina –
BETLEHEM, József – BÁNFAI, Bálint**

EFFECTIVENESS OF VIDEO-BASED RESUSCITATION TRAINING AMONG PRIMARY SCHOOL CHILDREN

The aim of our study was to measure the effectiveness of video based-resuscitation training among primary school children. Participants (N=141, 10-15 years old children) from two primary schools were involved in our study between September 2019 and January 2020. Children in „FRONTAL” group were trained with conventional methods (45-min theory and hands-on training) (n=51), in „VIDEO” group were trained with a selfinstructed video (n=59) and in „PHANTOM” group were trained with the video and a self-made manikin (n=37). Participants in „FRONTAL” group performed higher theoretical and practical result in CPR than children in „VIDEO” and „PHANTOM” groups (p<0.01). Quality of chest compressions was the best in „PHANTOM” group one and four months after the training (p<0.01). Video-based training could improve the theoretical knowledge and self efficacy. Based on our result the best method was conventional training but video-based education can be an acceptable alternative method.

Keywords: resuscitation training, video-based training, resuscitation

VALUE ORIENTATIONS OF KINDERGARTEN TEACHERS

According to the National Curriculum for Early and Preschool Education, the educational work of kindergarten teachers should be based on the values of knowledge, identity, humanism and tolerance, responsibility, autonomy and creativity. The system of early and preschool education in the Republic of Croatia starts from the humanistic conception that grows out of the stated values. For the purposes of this paper, the kindergarten teachers in Zadar County were surveyed about their value orientations. The results of the research show that most kindergarten teachers accept the values proclaimed in the National Curriculum. However, kindergarten teachers' opinions about their educational practices also reveal certain discrepancies between their theory of action and theory in action.

Keywords: early and preschool education; value system; implicit pedagogy

PERIĆ PRKOSOVAČKI, Bojana – RAKOVIĆ, Sara – TOMIĆ, Melinda

“SERVICE LEARNING” MODEL OF EXPERIENTIAL LEARNING BY COMMITTING IN A LOCAL COMMUNITY REVIEW, MONITORING AND EVALUATION OF SCHOOL PROJECTS

Service learning is learning through the application of academic knowledge in the local community. The term “service learning” is almost unknown in our literature, only a few professional papers deal with this topic. In the region, the presentation of this topic is richer, but it is certainly not enough for this term to be known and recognized by the professional and scientific community. On the other hand, it is an interesting fact that it has been on the territory of the Republic of Serbia since 2014/2015. 18 projects were implemented in primary and secondary schools. Therefore, service learning is practically conducted in our schools and the idea of this paper is thus even clearer and largely justified. Also, the results of the monitoring and evaluation of the mentioned projects show that the direct and indirect participants confirmed the need and justification of the implementation of this practice in our schools.

Keywords: Experiential learning, Social service

PERIŠ, Lucija – DRAGUN, Dragica

VALUE AND GENRE ANALYSIS OF VERNE'S NOVEL "AROUND THE WORLD IN 80 DAYS"

The paper deals with the interpretation of the value system and genre determinants of Jules Verne's novel *Around the World in 80 Days* (1873). It defines values according to Janek Musek, which are divided into two categories: Dionysian (secular) values and Apollonian (spiritual) values. The analysis of Verne's novel indicates the presence of all categories of values from Musek's model. The paper defines the area covered by children's literature, and the analysis of the novel proves that the novel structurally, thematically, verbally, and in terms of character structure belongs to children's literature. Part of the paper deals with the genre specification of the novel and explores the elements that make it an adventure and science fiction novel.

Keywords: adventure novel, Around the World in 80 Days, Janek Musek, science fiction novel, values

PETROVSZKI, László

VOTER PREFERENCES OF THE YOUNGER GENERATION IN HUNGARY BETWEEN 2010 AND 2020

Since the general elections of 2010, the Hungarian party system has gone through several changes. While Fidesz-KDNP dominated the popular polls during the whole period, it struggles to increase its support among the generation under the age of 30. The parties that became prevalent or were founded after 2010 are trying to position themselves as "new generational parties" and they actively fight for the support of this age group. At the beginning of the 2010s Jobbik seemed to be the choice of most young Hungarians, but after the appearance of the Momentum Movement in 2017, there was a clear shift toward them in popularity. Additionally, Momentum was established by politicians of similar age as the target group, which also helped them to gain the sympathy of the youth. In my presentation, I showcase how the party preference of the Hungarian youth has developed in the decade between 2010 and 2020. For my research, I use the polls of the main Hungarian public opinion research companies.

Keywords: voter preference, voter behavior, Hungarian politics, political parties, Hungarian youth

CHALLENGES AND OPPORTUNITIES OF INTERGENERATIONAL COOPERATION AND KINDERGARTEN "MEDVEŠČAK" FOR CREATING VALUE SYSTEMS OF NEW GENERATIONS

Today, when we talk about the family, we are aware of the importance of different relationships and roles and the intergenerational connection of its members, but we also notice the changed dynamics and transformation of the value orientations of nuclear families. As different generations have different upbringing methods, the positive values and preciousness of the participation of grandparents in the upbringing of new generations are increasingly discussed and talked about. The educational institution has a significant role in encouraging and understanding the complexity of different roles and is an important factor for involving the immediate and extended family in the child's life and adopting values to preserve tradition, identity, autonomy, responsibility, creativity, culture, humanism and tolerance. With this paper we want to present the appropriate practice and different methods of involving the family in the life of the child within the Kindergarten "Medveščak".

Keywords: immediate and extended family, intergenerational connection, value orientations, positive values, the role of grandparents, the role of the kindergarten

PUŠKAŠ, Valerija – PAVLICA, Tatjana – RAKIĆ, Rada – SAKAČ, Dejan

BODY MASS INDEX AND BLOOD PRESSURE-TO-HEIGHT RATIO IN PREDICTING INCIDENCE OF HYPERTENSION IN CHILDREN FROM VOJVODINA (THE REPUBLIC OF SERBIA)

This study aimed to compare Body Mass Index (BMI) and blood pressure-to-height ratio (BPHR) in predicting incidence of hypertension. The survey included 1133 boys and 1154 girls aged 7 - 15. The following equations for BPHR were used: systolic BPHR (SBPHR)=SBP (mm Hg)/height (cm) and diastolic BPHR (DBPHR)=DBP (mm Hg)/ height (cm). The BMI-for-age Z-score has a modest ability to identify children with prehypertension and hypertension with AUC values ranging from 0.625 to 0.723 with quite low sensitivity rates from 62% to 72.5% and specificities from 58.2% to 67, 3%. BPHR has a great predictive ability to identify pre-hypertension and hypertension with AUC values of 0.836 to 0.949 for SBP and from 0.777 to 0.904 for DBP. The sensitivity ranged from 78.5% to 95.7%, and the specificity from 73.9% to 87.6%. BPHR is accurate index for detecting hypertension and can be used for early screening.

Keywords: Body mass index, Blood pressure-to-height ratio, Hypertension, Children

SZEKERES, Tamás

THE SOCIALIST REGIME IN THE MEMORY POLITICS OF POLAND AND HUNGARY

My goal is to compare the appearance the socialist regime in the memory concept of the ruling conservative parties in Poland and Hungary. The two countries have common events in their past, the parallels are more grounded if we consider the memory of socialist regimes. The politics of both countries are still determined by the post-socialist characteristics. The focus of this study is on the consequences of the peaceful democratic transition led to the survival of the socialist elite. This fact causes a special situation, not allowing the countries to face the socialist past and make a compromise of its memorial treatment. PiS and Fidesz gave this issue a new impulse, both parties announced a new era as a substitution of the ‘unfinished revolution’, making the politics of memory more politicised and controlled. This intention of the right-wing governments took form in the issues of urban spaces, like the names of streets, squares, and the handling of the communist monuments.

Keywords: Memory, Memory politics, Poland, Hungary, communism

TOKAT, Yasin

CHALLENGES BROUGHT BY DISTANCE EDUCATION DUE TO THE PANDEMIC

Distance education is not a new topic. It has been a growing, voluntary trend among various institutions for some of their courses. So, both the institution and the learner were ready in terms of teaching platform, technology, structure, materials, testing, evaluation, and motivation. Nevertheless, the COVID-19 pandemic turns this voluntary practice into a compulsory one for all. This has brought some challenges both for the teaching profession and the learners. In a distance learning mode, the learning experience is pretty different than being in the lecture room. The learner lacks social and physical stimulus which can lead to a certain outcome for the learners. My paper will focus on how this shift affects students' motivation to carry on the learning activity and attention maintenance. The outcome of the paper can bring some suggestions to increase learners' motivation and attention for the institutions to invest in the various curriculum, lectures, and technology design.

Keywords: distance education, technology, impact of pandemy, student motivation

VALJAN VUKIĆ, Violeta – ŽUPANIĆ, Irena

COOPERATION BETWEEN FAMILY AND SCHOOL FROM THE PERSPECTIVE OF PRIMARY SCHOOL TEACHERS

Family and school plays an important role in child education. Therefore the collaboration between family and school is the subject of many research studies. Based on the results of the of previous research it is evident that the practice in some cases is still far from the theory as there is low involvement of parents in school activities, parents' lack of interest in co-operation and dissatisfaction with co-operation. The sample of this research consisted of elementary school teachers in the Zadar and Brodsko-Posavska counties. Through the results obtained are presented the cooperation of the family and the school through forms of work, the work of teachers with parents, their competence and satisfaction with cooperation, and the opinion on the most common obstacles to the establishment of high quality cooperation as well as ways of improving cooperation.

Keywords: teacher, parent, school, cooperation, partnership

VALJAN VUKIĆ, Violeta – BLASLOV, Tamara

ACTIVITIES OF CHILDREN AND PARENTS IN THE LEISURE TIME

The culture of spending free time is acquired at the youngest age, and parents are the moderators. Besides physical care and welfare, family reunion and family activities in leisure time are extremely important as well as being structured and taking place in spare time. Joint spare time has a short-term goal of improving communication, and in the long term we can say that it strengthens family connection and trust among family members. Parents today do spend their spare time with children quite passively. Joint hobbies, visiting theaters, museums, tourist trips, sports activities, outdoor activities are just some of the many that contribute to family cohesion and active communication of family members. The paper presents the results of research that was examined in which activities children and parents spare time, how much spare time they have at disposal during work days and the weekend and how satisfied they are with the present possibilities of spending their spare time

Keywords: spare time, spare time activities, pre-school children, parents

XU, Kefeng

VISEGRAD GROUP IN POST-BREXIT EU: SCENARIOS AND OPTIONS

Brexit has long been undergoing close observations, yet up to now, the eventual arrangements between the United Kingdom and the European Union are still uncertain. What has been clear, however, is that the repercussions from Brexit on European Union and its member states will undoubtedly be lasting and farreaching. Apparently, there is no way for the Visegrad Group and V4 countries to be exempted from the repercussions. Thus, assessing the potential repercussions from Brexit and exploring possible countermeasures against the repercussions will be of high significance. This paper just aims to explore potential scenarios for the Visegrad Group in terms of economy, security and sovereignty after Brexit, and examine possible options that could be available for the Visegrad Group and V4 countries to safeguard or even promote their interests in the fields of economy, security and sovereignty.

Keywords: Visegrad Group, Brexit, common interest, regional cooperation, European Union

ZAKINSZKY TOMA, Viktória

TERM AND PHRASES USED IN THE MEDIA IN SERBIA AND HUNGARY FOR MIGRANTS FROM THE MIDDLE EAST

The process of media reporting and the framing of migration issues have not finished in the countries along the Balkan route after the peak of the migrant crisis in 2015. The question of migration has become and still is among the top issues in the media in this region. It may be more or less intensive, politicized, one-sided or biased, over-simplified or full of fake information. Most of the times the reason for this is ignorance, but there is deliberate use of lies and distorting the truth, sometimes journalists/reporters are not familiar with the right terms and phrases, while sometimes also happens that there are no appropriate definitions. Using the comparative method, this research aims at doing discourse analysis of Hungarian and Serbian national media, including media from Vojvodina. The focus of the research is on terms and phrases used for migrants in the media discourse from 2016 till 2019 in Hungary and Serbia and its discursive effects.

Keywords: migrants, discourse analysis, media, discursive effects, metaphors

Abstracts



9th International Methodological Conference

ALBERT B., Gábor

JENŐ SZINYEI MERSE AND THE TEXTBOOK ISSUE (1942-1944)

In the presentation, I examine the changes in the Hungarian textbook issue during Jenő Szinyei Merse (Minister of Religion and Education 1942-1944). The partial successes of the territorial revision and entering the war in 1941 fundamentally changed the possibilities of Hungary's foreign policy during the time of Kállay-government (1942-1944). All this has resulted in minor changes in cultural policy, including textbook-policy. Although no new series of history textbooks appeared in the waves of the war, the Minister urged writing new teacher's books and pedagogical manuals. The textbook series for National Defense was also released at that time. My research on history of textbook is based on processing archival documents. I analyze textbooks primarily as age documents.

Keywords: textbook, textbook issue, textbook policy

BENCÉNÉ DR. FEKETE, Andrea – FARKAS, Beáta

THE CARREER AND VISION OF THE STUDENTS OF ROMA COLLEGE OF ADVANCED STUDIES

The college of advanced studies is a student organisation, aimed at training and nurturing the talents of socially sensitive intellectuals. Only 1.2% of the population of Roma origin at the appropriate age have a degree (Híves, 2014). Roma young people studying in higher education, are helped by peer mentors and tutors to achieve their goals, develop their talents and overcome their social disadvantages. In the course of empirical research, we used an in-depth interview to explore the role of the vocational college in the lives of Roma students, and to discover which programs were the most effective. Our research questions focused on whether Roma young people who graduated from Kaposvár University continued their studies, or whether they managed to find a job with their degree or get a job in another field. During the presentation we will show how much the vocational college helped to achieve their goals and how their destiny developed and what results they achieved in other areas of life.

Keywords: Roma College of Advanced Studies, equal opportunities, mentors, higher education

BENCÉNE DR. FEKETE, Andrea

PRACTICE OF TRAINEE PEDAGOGUES DURING THE ERA OF DIGITAL EDUCATION

The challenge of the new age has presented new tasks for teachers and students who completed their practises in the primary schools. The focus of complex pedagogical knowledge is on digital Competences. The aim of the exploratory research was to examine what tasks the students were given during digital education. The research questions focused on how the practical training took place, what tools and interfaces were used in the online learning. In the course of empirical research, I conducted in depth interview (N = 11) with students who worked as pedagogical assistants in primary schools during this period, and I asked students (N = 25) in a questionnaire about their experiences during their practice. The results highlighted that our students gained completely different experiences during their internships, participating in digital teaching tasks to varying degrees. In the light of the results, I propose what methodological preparation should be provided for digital education.

Keywords: digital education, practice, pedagogues, primary school

BLATT, Péterné

THE SIGNIFICANCE OF EDUCATION FOR AFFECTION OF ACTIVITY NOWADAYS

The education for affection of activity and health life is very important in today's world which is lack of activities. In Versics and his colleagues' research (2009) we can read that the parents' sporting habits haven't got influences for their children's sport activity at all times. In this cases a well prepared teacher can give a lifelong motivation for sporting. One of the extreme challenges for the educators is to recognize the pupils' current motivational level and choose the adequate motivational strategy to it. It is a significant task of PE teachers to insure the versatile development of pupils physically and of their personality through the classes. Beyond all that, the masters have to form a permanent demand in the pupils which makes the activity to be an elemental part of their further life. T herefor the motivation has a substantial function to effect this. My research's intention was to discover the motivational implements and their characteristics used by PE teachers.

Keywords: sport, health, motivation, Physical Education teachers

CSIKÓSNÉ MACZÓ, Edit

EXPERIENCE OF GENERATION Z ABOUT ONLINE TEACHING-LEARNING

Students attending secondary school are the members of generation Z. Although researchers have been sincerely warning us not to stereotype people belonging into the same age groups (Nemes, 2019), gen Z is still considered as a cohort that is not able to exist without their smart phones, lives in the cyber space, and cannot absorb in their activities (Szabó, 2019). Based on all this, it could be thought that the pandemic quarantine and the transfer into digital teaching were preferred by the net generation. The research launched in April 2020 wanted to survey secondary school students' experiences about the teaching process in the digital space. The anonymous questionnaire was answered by 421 students. The hypothesis that students had more tasks than earlier; which was made more difficult by the fact that many of their teachers did not own suitable digital competences, was proved true. Based on the answers, students could largely rely on their own and their parents' support.

Keywords: generation Z, digital teaching, secondary school, teacher's ICT competencies, pandemic

**FEHÉR, Zoltán – JARUSKA, Ladislav – JUHÁSZ, György – SZARKA, Katarína
– TÓTH, Péter**

RESULTS OF ANALYSIS OF SCIENTIFIC THINKING AND INQUIRY SKILLS THROUGH CHEMICAL AND PHYSICAL TASKS

It should be a fundamental in the teaching profession the learning and developing of scientific thinking and inquiry skills in preparing next generation for life in the 21st century. This research is a part of an extensive study of science literacy carried out within our VEGA project. Through the presented research we wanted to get an overview of how successfully students of the Faculty of Education are in solving tasks with chemical and physical content which are built on selected elements of scientific thinking and inquiry skills. As a research instrument we used knowledge test consists of non-standardized (12 chemistry and 17 physics) school tasks build on selected elements of scientific thinking and inquiry skills drawn from the system of scientific literacy. We analysed the respondents' answers for solving tasks and identify their successfulness within individual sets of scientific skills and the areas of scientific skills that did the most problems in solving respondents.

Keywords: scientific thinking, inquiry skills, physics, chemistry

**GELENCSÉRNÉ DR. BAKÓ, Márta – POLYÁKNÉ BRANDTMÜLLER, Anikó –
SZABÓ, Adrienn – SZABÓNÉ KOVÁCS, Gabriella**

SPECIAL EDUCATION TEACHER INTEGRATION PREPARATION

From the 2011-12 academic year, the integrating school arena will appear in its training at the University of Kaposvár. Quarterly students complete pre-group practice sessions, followed by differentiated strata in the form of two-teacher instruction. The aim of the research group is to transform practical training into the XXI. in line with the challenges of the 21st century. We sought an answer to the openness and methodological basis in which educators approached students when introducing the two-teacher model. The measurability of student satisfaction was formulated as a question. We worked on the basis of a qualitative methodology, using document analysis, focus group interviews and observation, the number of items was $n = 258$. The aim of the research group is to integrate special education teacher training and teacher training into the two-teacher model, during which prospective (medical) teachers experience the significance and effectiveness of integration together.

Keywords: integration, two-teacher model, differentiated stratification

GLOGOVAC, Dragana

REDESIGN OF METHODOLOGICAL REFERENCE FRAMEWORK OF LEARNING IN MATHEMATICS CLASS

Scientific literacy is one of the essential socio-economic society development factors. As for students, it seems possible to promote scientific literacy through the introduction of Inquiry based method into teaching practice. In this paper we have presented the importance of methodological approach of teaching in Mathematics class teaching by using different strategies with an emphasis on Inquiry based method. The aim of this paper is to consider different possibilities, varieties and limitations of Inquiry based method. Constructivist learning paradigm and different modern learning theories provide students with a lot of possibilities to think critically. Creating the framework of reference for learning which causes changes in way of thinking has been considered through habits of mind and point of views. This teaching development approach foster various dimensions such as thinking, attitude, learning autonomy and knowledge quality towards learning outcomes and teaching standards.

Keywords: learning strategies, scientific literacy, Inquiry based method, class teaching of Mathematics, reference framework of learning

EDUCATION – ASSESSMENT – VALUES

The rapid changing of the value orientation of successive generations must most markedly be felt by educators. The basic condition for understanding the young generations and for the effectiveness of institutional education is the creation of a Rogersian, accepting and democratic atmosphere, striving for partnership, acknowledging value orientations and respecting differences. In teacher training, therefore, the approach of formative assessment must gain more and more ground. Formative assessment is rooted in differentiation because education is the world of differences and the science of differentiation. Our study aims to analytically present those techniques and assessment methods that help motivate and make students interested in their own academic progress by setting their goals together with them as well as choosing the assessment methods and criteria ensuring the achievement of those goals.

Keywords: value orientation, education, formative assessment, motivation, common values

**IVANOVIĆ BIBIĆ, Ljubica – BIBIĆ, Dejan – IVKOV DŽIGURSKI, Anđelija –
DUKIČIN VUČKOVIĆ, Smiljana – MILANKOVIĆ JOVANOVIĆ, Jelena**

TEACHING PRACTICE IN SCHOOLS FOR EDUCATING ADULTS

Adult education is a part of the unique education system of the Republic of Serbia. People aged over 15 are adults who acquire primary education according to the law that regulates primary education and according to the program for educating adults. Educational program and curriculum are designed for all adults aged over 15 who dropped out of primary school or have never entered primary education for some reason. The paper shows how teaching practice is carried out in schools for educating adults and to what extent it is adjusted to attendees' needs. The paper also analyses all aspects of appreciation of specificity of the needs of different target groups during enrollment at school, all aspects of forming classes and carrying out teaching practice. The hypothesis predicted that teaching practice at schools for educating adults is carried out quite differently than at regular primary schools, which has been confirmed by the results.

Keywords: Attendees, Curriculum, Educational standards, Primary education of adults, Teaching practice

**IVKOV DŽIGURSKI, Anđelija – IVANOVIĆ BIBIĆ, Ljubica – ĐUKIČIN
VUČKOVIĆ, Smiljana –
MILANKOVIĆ JOVANOVIĆ, Jelena – OPALIĆ, Angelina**

MIND MAPS IN GEOGRAPHY EDUCATION IN THE 8TH GRADE

Mind maps (MM) are a set of intellectual "tools" for compiling a lot of information on just one sheet of paper. MM can be used in the educational process in lesson preparation and during the lesson in the realization of the content and goals. In the teaching of geography, MM can be extensively used when introducing new teaching content. They can also be successfully implemented in lessons introducing physical, socio and regional geographical content. This paper deals with the study of the implementation of mind maps in the geography education in the 8th grade. The research was conducted in four classes with 84 students. In two classes, the lesson was presented using mind maps, while in the other two classes the material was introduced with a presentation. The results clearly show that the level of the acquired knowledge was higher in the classes where the lectures were conducted with the use of mind maps, and the students in the survey showed a positive attitude towards of mind maps.

Keywords: Mind maps, geography, teaching, 8th grade

KAPOSI, József

THE DILEMMAS OF HISTORY EDUCATION IN HUNGARY

This presentation summarizes on which principles it would be worth debating the dilemmas of teaching history in professional circles in the light of changes that have taken place in the past decades, starting with the surreal state of affairs in history teaching in Hungary at present. In this respect, it argues for the adoption of a developmental goal understood under the heading historical literacy. It outlines the most important building blocks of historical literacy: e.g. narrative cognition, collective identity formation, acquiring the ability for adaptive historical thinking. It holds of high importance maintaining the social studies complexity of the subject in the interest of education for citizenship, the multiperspective processing of documents (sources), a rethinking of the common cultural coding system based on Hungarian traditions, and interactive methods that ensure active learning.

Keywords: historical literacy, historical thinking, key ideas, problem based learning, civic education

KOVÁCS, Elvira – PINTÉR KREKIĆ, Valéria

ATTITUDE SURVEY OF THE QUARTERLY STUDENTS OF THE HUNGARIAN LANGUAGE TEACHER TRAINING FACULTY IN SUBOTICA IN RELATION TO MATHEMATICS TEACHING

In the world of rapid development, it is very important for the students being able to acquire knowledge that is easy to use, to learn how to think and to be creative. The success of teaching mathematics and its efficiency is under a big influence by the teachers ability to remain students attention throughout the lesson. There is a need for more practical and more diverse teaching methods in mathematics. Depending on the students abilities, the classes have to be planed as easy to follow, interesting and motivating. Throughout our work we exmined the opinions of the quarterly students regarding the math classes held at the practicing school in the 2019/2020 school year. We consider it important to learn from the difficulties occurring in class, to show good examples and to use all the new results to improve the classes of the next generation.

Keywords: teaching mathematics, teaching classes, student attitude, success, development

KNEŽEVIĆ, Jelena

MATHEMATICAL PROBLEM TASKS IN THE PROJECT - THEMATIC WEEK

Continuous society development conditions the improvement and innovation of mathematics teaching. Therefore, one of the basic tendencies of a modern school is to enable students to learn independently, develop their creative thinking and functional knowledge. Teaching is focused on the student and the process of acquiring knowledge, not on the acquisition of ready-made information. The paper presents the complexity of the teaching process and the necessity of an adequate combination of teaching methods in the organization of teaching through several teaching situations. Solving mathematical problem tasks during project work brings the student, his needs and interests to the focus of attention. The student reorganizes existing knowledge, researches independently, cooperates with peers, plans, organizes and evaluates his work. Mathematical contents that are integrated with the contents of other subjects contribute to the permanent, functional and complete knowledge of students.

Keywords: project work, students' independent research, problem tasks, integrated contents, functional knowledge.

KRUMES, Irena – GALIĆ, Ana

DIFFICULTIES IN DEVELOPMENT PRE-READING SKILLS AND THE ROLE OF EDUCATORS

Acquiring pre-reading skills in a preschool child is extremely important for later mastering the skill of reading.

Educators should be the first to notice a deviation from the child's orderly speech and language development. Specific difficulties (eg dyslexia) need to be distinguished from non-specific (general) and transient ones to which educators can respond with well-designed and focused activities, if they recognize them on time. Therefore, in our paper we were interested in whether educators notice difficulties in reading, whether they distinguish between types of difficulties and whether they know how to react to them. The results of the research indicate that every child who shows nonspecific difficulties in reading skills development requires an individual approach. An educator should be well educated for this type of help as well as trained to design appropriate incentive activities in cooperation with the professional team and with the support of parents.

Keywords: Key words: prereading skills, preschool child, difficulties in reading skills

LADÁNYI, Lili

INCLUSIVE CAMP EDUCATION

According to international conventions and domestic legislations we must ensure equal access to various public services for people with disabilities. However, when planning and organizing a service it is not enough to be in accordance with the legal requirements. It is also very important to form our own attitude about people with disability, to approach the task open minded and to involve them in the process as much as possible. It's not different when planning a summer camp. Plenty of camps accept children with disabilities, but that doesn't make it an inclusive camp. There's a main difference between integration and inclusion in summer camps. The presentation seeks to reflect briefly on the question of what fundamental changes in attitude and environment need to be done to provide inclusive summer experiences for all children.

Keywords: camp education, summer camps, inclusion

MAGYAR, Ágoston

VALUE ORIENTATION OF Y GENERATION SPECIAL EDUCATION TEACHERS

In my presentation I explore the teaching attitude and role engagement of special education teachers of the Y generation. I highlight the strengths and weaknesses of “digital natives” in pedagogical work. I discuss the values that should be kept by today’s special education teachers, and the approaches and methods that need innovation. My research is based partly on empirical and partly on secondary research. It is based on sources published in the related literature, and questionnaire research. This presentation is important and fills the gap in regards to pinpoint and confirm the place of Y generation within the profession of special education. It highlights the positive benefits of role change, the benefits of which become truly valuable in practice. The new challenges posed by the generational change that has taken place among the students require professionally sound and effective action. The reshaping of teacher role and the use of new methods could mean the solution.

Keywords: role change, generational change, solutions, value preservation, methods

MAGYAR, Adél

PARENTAL EXPECTATIONS AND SERVICE ORGANIZATION IN THE FORMATION OF EARLY DEVELOPMENT IN HUNGARY

The system-level organization of Hungarian early development was based on the recommendations of the European Agency (2005). When developing the service model, the legislators and the founders of the institutional network sought to ensure that the client path of early intervention, including professional pedagogical service, complied with the expectations of accessibility, proximity, cost coverage, diversity of services and interdisciplinary team work. We want to examine whether the European recommendations and the needs of Hungarian families were the same, and whether Hungarian needs indicated specific expectations for early developmental special education teachers and co-professionals, by analyzing books whose authors are parents raising children with mental disabilities. The narratives of such books outline the situation in the 20th century that preceded the creation of the earliest institutional care for children with mental disabilities, also based on the needs of their parents.

Keywords: special education, service organization, content analysis, early development

THE ROLE OF FOREIGN LANGUAGE SELF-CONFIDENCE IN THE FOREIGN LANGUAGE MOTIVATION OF STUDENTS WITH MILD INTELLECTUAL DISABILITIES

Clemente was the first to examine the issue of foreign language self-confidence. He and his colleagues pointed out that foreign language self-confidence is a significant subsystem even in learning situations where students are not in direct with native speakers, and that lack of self-confidence may be resulted in lack of motivation. In our research examining the foreign language motivation of students with mild intellectual disabilities (n=195), we compare evaluation of self-confidence carried out by both teachers and students and shed light on the correlations between language self-confidence and foreign language learning motivation. The results show that there is a negative correlation between students' and teachers' assessment of language self-confidence. The students' realistic image needs to be improved, however, the assessment of both students' and teachers' sample confirms that students with higher language self-confidence have higher foreign language motivation.

Keywords: foreign language self-confidence, student with mild intellectual disability, foreign language motivation

OPIĆ, Siniša

CASUAL AND NON-CAUSAL RESEARCH DESIGNS IN THE FIELD OF SOCIAL SCIENCES

Summary - The paper elaborates on the specifics of the implementation of causal schemes and the problems of determining causal relations. Establishment of causal relationships is the greatest challenge in the field of social sciences. Although model testing and /or testing within models suggests to causal relationships outside of experimental designs (and quasi experimental ones), one should be very vigilant in determining causal relationships among variables. In addition to the limitations of experimental designs, the paper also presents interaction effects in two-way tests in non-causal designs and interpretations of the same. Correlation matrices (zero order corr) are also shown through the prism of controlling relationships (first order corr) as prerequisites for causal relationships. Through the prism of determining the role (contribution) of independent variables to the dependent ones, regressions and causal relations in SEM are elaborated.

Keywords: Causal and Non-causal relations, Cause and Effect, Two-way effects, Correlations

PINTÉR KREKIĆ, Valéria – IVANOVIĆ, Josip – TAKÁCS, Márta – KOVÁCS, Elvira

IMPROVEMENT OF PRACTICALS IN THE HUNGARIAN TEACHER TRAINING IN VOJVODINA

One of the most significant factors in the effectiveness of educational institutions is the competence of appropriate instructors and educators. For this reason, having practical courses are imperative in the curricula of kindergarten and teacher education faculties. In our study, we aim to investigate the quality of practicals in the Hungarian Language Teacher Training Facility. In light of our results and in accordance with the required accreditation instructions, we aim to develop a new strategy to improve practical courses - significantly increasing the number of practical hours, and also cooperating with primary schools and kindergartens throughout Vojvodina, where education is held in the Hungarian language. For future Hungarian-language teachers, our new strategy would emphasize competencies required in a multiethnic environment, as well as the preservation and nurturing of national identity.

Keywords: practical education, teacher training, Hungarian language education, multiethnic environment

SZÓCS, Krisztina

THE IMPACT OF COMPUTER ASSISTED LANGUAGE LEARNING ON LEARNERS' BELIEFS ABOUT LEARNER AUTONOMY AND ON THEIR AUTONOMOUS BEHAVIOURS. A COMPARATIVE STUDY

Learner autonomy and its implications for learning have been widely researched, revealing its interconnectedness with motivation and success in language learning. The present study addressed the influence of the change from classroom-based education to computer assisted learning applied during the Covid-19 pandemic situation. The study explored the changes in language learners' beliefs about learner autonomy and their reported behaviour during this period in a Hungarian secondary school, involving all the 9th, 10th and 11th graders of the school (n=381). The research revealed that learners' autonomous beliefs did not always result in autonomous behaviours, furthermore, the shift in educational processes generated change in students' attitudes toward autonomous language learning.

Keywords: learner autonomy, learners' beliefs, relationship beliefs and behaviours, computer assisted learning

TÓTHNÉ ASZALAI, Anett

EXPERIENCES OF THE SPEECH AND LANGUAGE THERAPIST'S TEACHING IN SUBOTICA

The Institute of Special Needs Education at the Juhász Gyula Faculty of Education of the University of Szeged started speech and language therapy training in 2018 in Subotica in the center of VM4K. In July 2020, the first group graduated. Complex training was a big challenge for the instructors. The presentation is a brief outline of the history of education, present specifics. In our research, we looked for the answers to the following questions: what is the students and instructors opinions of the training? In our research we used a questionnaire of 10 questions. From the results, we highlight that nearly 80% of students want to apply their knowledge as a speech and language therapist in Serbia.

Keywords: speech and language therapy, speech and language therapist, special needs educator and therapist, higher education

TÓTHNÉ ASZALAI, Anett – PINTÉR, Melinda

HUNGARIAN-SPEAKING TEACHERS USE OF VOICE IN TOPOLYA

Speech is a working tool of the teachers, a model for the growing up generation. That's why it's very important that the sound works properly and stays healthy. The examination of this topic is timely, as today teachers are overwhelmed both physically and mentally in Serbia, which is also reflected in their daily intensive use of sound. In our research, we looked for the answers to the following questions: what is the teachers 'use of voice like? Do they have enough knowledge of correct sound training? In our research we used a questionnaire of 31 questions. The sample consisted of 116 main Hungarian-speaking teachers in Topolya. From the results, we highlight that nearly 75% of the teachers have sore throats due to intensive sound use and nearly 40% of them feel that their voices are tired after prolonged sound exposure. Our research draws attention to the necessity of the work of the speech therapist, to the awareness of the correct use of sound among teachers.

Keywords: speech therapist, teachers, voice condition, vocal hygiene, dysphonia

USAGE OF THE FAKEBOOK DIGITAL TOOL IN OUT-OF-THE-CLASSROOM READINGS

Out-of-the-classroom teaching, which was carried out in Croatia from March 2020 to the end of the school year for elementary school students (from 5th to 8th grade) and high school students, has put new demands on teachers and students, as well as numerous opportunities that include the usage of digital tools in teaching. Reading assignments also took place in virtual classrooms, and the usage of digital tools enabled a more modern and interesting approach to teaching, but it also placed new demands on students. Students were required to learn actively, plan content and apply the reading materials in creating new content that require both critical thinking and creative expression. This paper will show the possibilities of the digital tool Fakebook, which is a replica of the popular Facebook network, and what opportunities it offers, what requirements are placed on students and the ways in which learning outcomes have been met. Keywords: out-of-the-classroom teaching, digital te

Keywords: Out-of-the-classroom teaching, digital Classroom tools, Fakebook, reading lessons

Abstracts



7th ICT in Education Conference

BARTAL, Orsolya

NEW ICT CHALLENGES IN SCHOOLS AND AT HOME: INEVITABLE DIGITAL TRANSFORMATION

The complexity of electronical sphere determine our every day lives. (Racsco, 2017) The information consumption have altered: the smart devices can ensure immediate access both at institutional level and at home as well. (Szabó, 2019) In the past decades those challenges have changed at high speed that the educational institutions need to face with. Such kind of challenge is the usage of mobiletools in-class, which is known as BYOD. In the spring 2020 because of stupendous reason the scene of teaching-learning process was placed outside of the schools to homes. In this presentation I would show the attitude of Hungarian primary school teachers in connection with BYOD before the obligate digital transform and after it. In the research a questionnaire and a semi-structured interview were used. However, the sample is a non-representative one but it tries to give an overview from the whole country, it gives an exciting outline before COVID-19 and the situation after it.

Keywords: ICT environment, mobiletools, competency, teacher's role, divide

DÁVID, János

POSSIBILITIES OF USING GEOCACHING IN SCHOOL EDUCATION

The children's interest for nature – according to experience and research – is declining more and more in old age. Many students move little in nature, they spend little time in nature, they do not know and they are afraid in nature. In addition to teaching in the classroom it is necessary to use new methods with the help of which children gladly go to nature and learn playfully there. The presentation presents the history and methods of geocaching. We discuss separately the possibilities of geocaching in acquiring knowledge and in educational work. The game is also becoming increasingly important in Hungary and internationally too. Teachers can with geocaching help create and place new crates with students. When describing the boxes, their environment descriptions containing a lot of information can be compiled.

Keywords: geocaching, treasure hunt, learning in nature, satellite navigation, gain experience

GÓGH, Előd – KÓVÁRI, Attila

ANALYSIS OF THE INTERNAL CONSISTENCY OF COMPLEX QUESTIONNAIRE EXAMINE LEARNING FACTORS IN CONNECTION WITH A STUDY

Questionnaire based research is common in the field of education, in which the so-called Likert scale is used in general. Using Likert-scale the respondents can indicate on a scale how much they agree with the statement. A questionnaire survey on learning factors related to lifelong learning was conducted among students studying in the seven member institutions of the Budapest Mechanical Training Center (BGéSZC). The survey questionnaire included several groups of questions, for which an internal consistency study was performed using Cronbach's alpha analysis. The ultimate goal of the research is to analyze the examined learning factors in the context of lifelong learning, and to establish the need of lifelong learning among students.

Keywords: learning factors, lifelong learning, questionnaire

KOHANEC, Monika

IKT IN THE MUSIC EDUCATION

“A good education is interactive, it involves children into the process individually, it affects every sense and it is suitable for the kids personality.”(Malcolm Gladwell) During the 20th century the huge development of informatics, of sound making equipment and computers made a great impact on the music and its reevaluation. Naturally, music activity should stay in the centre of everything but we can also apply digital devices in the classical musical education. We need making music with instruments, devices that will attract the attention of children while they are doing their musical activities. The purpose of music lessons is to involve children into trying out other alternative methods in using their musical instruments. The use of the image processing, the cutting of the sound material, the sheet music writing programme and the use of the interactive board is explained in details in this paper.

Keywords: image processing, sound material, sheet music writing programme

**KOVÁCS, Cintia – NÁMESZTOVSZKI, Zsolt – GRABOVÁC, Beáta –
KALMÁR, Laura**

EFFECTIVE QUARANTINE TEACHING

The second half of the 2019/2020 school year did not start the most easily, as education has suddenly changed enormously. Many educators and students have to face a new challenge: the school year continues through distance learning. Online learning is thus no longer just a foreign, “trendy” form of learning, but has practically become the only option during the pandemic. The study presents a few simple steps and methodological solutions that can facilitate the work of a teacher teaching in quarantine.

Keywords: distance teaching, methods

KŐVÁRI, Attila – KATONA, József

ANALYSIS OF ALGORITHMIC THINKING IN RELATION TO AN INVESTIGATION

The study presents an analysis of algorithmic thinking using the results of an evaluation performed in the context of a study. Algorithmic thinking and understanding were examined with the help of a program flowchart in which students had to find errors. The results were also compared with previous programming experience, mathematical skills, and the results show that there is a relationship between both previous programming experience and mathematical skills. The results obtained can help to improve the efficiency of teaching programming.

Keywords: teaching programming, algorithmizing skills, debugging task

MADUNIĆ, Marijan

HYBRID TEACHING

Without a deeper, didactic reflection of an exciting blend of direct and distance instruction, that hybrid looks separately, seems insecure and can't wait to fall apart. Viral pandemic, suddenly promoted distance instruction, teachers mastered a new set of computer tools, but lack the support of the methodologists. Efforts are exhausted at a technical point of view, and classical methods are uncritically transferred to a new environment, and another plan falls into the key element of teaching – wisdom embedded in activities. Time passes by, nobody points out the great opportunity this hybrid provides, and direct instruction draws on its side with the strength of tradition. Just waiting for the coercion to disappear so practice can go back to the way it was. Hybrid classes thus return to the initial position of struggle and proof. The author describes the current state, resistance, phase of design, in order to gain a better insight into the teaching hybrid of great possibilities.

Keywords: internet, teaching, education, student, teacher

MOLNÁR, György – OROSZ, Beáta

THE DESCRIPTION AND EVALUATION OF THE DIGITAL GENERATION'S USE OF DIGITAL DEVICES AND SYSTEMS AT THE TIME OF DIGITAL TRANSFORMATION

Modern learning environments tend to be increasingly dominated by mobile communication devices and such approaches have become integral part of progressive methodological culture. Digital work schedules make the respective methodological and technological paradigm change especially timely. Our study introduces our own pedagogical experiences related to digital transformation and discusses the results of a quantitative inquiry performed in a VET school with a sample of 239. At the beginning of the digital transformation the school used a variety of systems (i.e. Skype, Zoom) and eventually decided to rely on the Teams platform. The Teams system provides a uniform surface, which makes communication with teachers easier. While the learning process was considered successful in this virtual classroom format, students complained about the heavy study load and asked for more live video-based lessons. The school management accepted the complaints and informed the teachers accordingly.

Keywords: digital education, transformation, digital platform, learner experience, ICT

**NÁMESZTOVSZKI, Zsolt – GRABOVÁC, Beáta – KOVÁCS, Cintia –
KALMÁR, Laura**

THE OPPORTUNITIES AND LIMITATIONS OF ONLINE EDUCATION IN SERBIA DURING THE COVID-19 PANDEMIC

The state of emergency introduced in mid-March, 2020 has radically changed education both worldwide and in Serbia. With the end of traditional education, online teaching methods and educational environments, which had only been optional until then, have become the only option for continuing education. In our study, we would summarize the Serbian experiences, present the methods and platforms used, and present the results of the first measurements and impact assessments on the topic.

Keywords: online education, distance learning, Serbia, COVID-19

SZABÓ, Csilla Marianna

THE TRUTH IS OUT THERE: BELIEFS VS. SELF-BELIEFS ABOUT GENERATION Z

Although a rigid borderline between generations is today considered the simplification of the problem (Nemes, 2019), gen Z lives in the cyber space: smart gadgets provide instant access, which might result in smart phone and web2 addiction (Szabó, 2019). Due multitasking, their brain activity, attention, and memory have been changed (Szöke-Milinte, 2020). The question is how gen Z sees themselves and how X-ers think about them. The 1st research was conducted in 2019 among teachers (N=143), while the 2nd among adolescents (N=264) in 2020. Teachers believe that dotcom kids show risk behaviour (take selfies, share photos of their private life, spend too much time in social media); however, the net generation denied most of the stereotypes and stated they are aware of cyber space dangers, do not post all their activities, and have plans for the future. Significant difference is proved between the opinions of the two samples. The question is who has the more authentic picture about zappers.

Keywords: generations Z and X, generation stereotypes, conscious zappers (?)

SZÉL, Ágnes

MOTHER TONGUE LANGUAGE TEACHING WITH MOBILE DEVICES

My topic of this work is a research about using the mobile devices on lessons. I made a survey with the first, second, third, quarterly and master training Hungarian-speaking students on Hungarian Teacher Training Faculty in Subotica. Results: the most of current teacher candidates use mobile devices on lessons. The students are more motivated, more interested, more cooperative on these lessons. The current teacher candidates think the using of smart gadgets have positive effect to the development of students' linguistic specificities. They use applications, instructional videos, pictures, audio files on the teaching-learning process for the development of students'. We can develop our students in many ways by using the applications, and they can be take part of an exciting, imperishable acquirement of knowledge.

Keywords: mobile device, application, motivation, development, experiential learning.

UJBÁNYI, Tibor

EXAMINING EYE-HAND COORDINATION IN THE CONTEXT OF MOVING A MOUSE WHILE SOLVING AN IT TASK

Eye-hand coordination is a complex process consisting of a series of conscious activities. The eye plays an essential role in regulating subtle movements. The fine motor ability of the hand was not born with us, but an developed ability, the development of which starts in childhood with various jigsaw puzzles, balls and construction games. The combined work of the eyes and hands is essential for certain forms of movement (catching the ball, kicking) and performing many everyday activities (writing, driving). The aim of this article is to analyze the relationships between eye movement and mouse cursor movement in related to eye-hand coordination. For the analysis, a specific hardware-software environment was made in which the mouse cursor was moved using a conventional mouse and a Leap Motion hand gesture sensor, and eye movement was tracked using the Eye Tribe Tracker. The obtained data were analyzed by statistical tests.

Keywords: statistical evaluation, paired t-test, eye-hand coordination, eye-tracking, hand tracking

INTRODUCING AN EDUCATIONAL ENVIRONMENT IN MAXWHERE 3D VIRTUAL SPACE

Nowadays the traditional frontal education methods are becoming less and less effective, becoming obsolete. It is widely believed that the information-dependent, effective education of the younger generation requires the involvement of as many ICT tools as possible to make learning easier, more efficient and faster. There is a need to develop new methodologies that can meet the increased demand for information, while at the same time adequately supporting the acquisition of the current curriculum. Nowadays, more and more studies are dealing with the integration of 3D-enabled technologies into the educational environment, examining their positive effects during the learning process. The University of Dunaujváros teaches several courses in 3D in the spirit of innovation. In the article, the DUE Mathematics course was presented in MaxWhere 3D virtual space.

Keywords: 3D virtual space, MaxWhere, education

URBÁN, Dorottya TEACHING AND LEARNING IN THE AGE OF DIGITAL PEDAGOGY

Systematic and holistic learning environments are considered generally accepted, furthermore it is treated as a fact, that the whole environment has an influence on the effectiveness of learning. After the Gutenberg galaxy formulated by Marshall McLuhan, a world of new information technology and electronic media greeted us, which fundamentally reshapes the traditional world and society based on books. Today, it can be said, that the world of electronic information plays a significant role. The new type of external symbol storage devices of the “new world” can be divided into two groups, into the visual patterns generated on the screen and the elaboration and rapid development of electronic-digital telecommunications technologies. The study covers the epistemological study of learning environments, after which it is clear how the organization of certain environments develops and what it depends on.

Keywords: Digital education, learning environments, "new world"

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4. BLATT, PÉTERNÉ
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15. IVANOVIĆ, JOSIP
16. IVKOV DŽIGURSKI, ANĐELIJA
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38. TAKÁCS, MÁRTA
39. TÓTH, PÉTER
40. TÓTHNÉ ASZALAI, ANETT
41. ŽIVKOVIĆ ZEBEC, VEDRANA

7th ICT in Education Conference

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3. GÖGH, ELŐD
4. GRABOVÁC, BEÁTA
5. KALMÁR, LAURA
6. KATONA, JÓZSEF
7. KOHANEK, MONIKA
8. KOVÁCS, CINTIA
9. KÖVÁRI, ATTILA
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11. MOLNÁR, GYÖRGY
12. NAGY, BÁLINT
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15. STANKOV, GORDANA
16. SZABÓ, CSILLA MARIANNA
17. SZÉL, ÁGNES
18. ÚJBÁNYI, TIBOR
19. ÚRBÁN, DOROTTYA

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