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European Journal of Contemporary Education E-ISSN 2305-6746 2023. 12(2): 365-384

DOI: 10.13187/ejced.2023.2.365

https://ejce.cherkasgu.press

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Hellison's Model of Personal and Social Responsibility in the Educational Context: A Systematic Review

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Abstract

In recent years there has been an increase in violent behaviour among students. Numerous research studies support the power of appropriate pedagogical guidance through Physical Education as a great opportunity to tackle this problem. In this sense, the aim of this study was twofold: 1) To carry out a systematic review to analyse the effects on students of the interventions carried out through Hellison's Personal and Social Responsibility Model in the subject of Physical Education; and 2) To describe and analyse these interventions. For this purpose, the guidelines provided in the PRISMA Declaration were followed and five databases were searched: Web of Science, SPORTDiscus full text, SCOPUS, ERIC and PsycINFO. After multiple screens, a total of 12 reports were included, all of which met the proposed eligibility criteria. The results provided scientific evidence on the successful application of the Hellison's Model, producing positive changes in a multitude of variables, highlighting those related to the satisfaction of Basic Psychological Needs, behavioural patterns, understanding of feelings and the development of educational values in students. In short, the teaching of Physical Education based on the MRPS could have a strong potential to develop more responsible individuals in their daily lives, providing interesting training possibilities for teachers and coaches.

Keywords: values, physical education, pedagogical models, primary education, secondary education.

1. Introduction

Concern about students' violent behaviour in schools has increased in recent years (Medina, Reverte, 2019). Schools are crucial in reducing these disruptive behaviours and promoting prosocial behaviours (López et al., 2012), and the subject of physical education is seen as a great

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opportunity for the promotion of personal and social values and skills (Van der Mars, 2020). However, this educational influence through the subject of Physical Education will depend on the approach with which it is implemented (Bloom, Smith, 1996), since the educational aspect is not connected to the practice of exercise, but to the guidelines given to it, and it is necessary to provide this practice with the corresponding educational nuances (Ruiz et al., 2015). Therefore, the role of the teacher will be crucial, as it is the teacher who decides the pedagogical orientation of the teaching-learning process (Andersson, 2019).

The implementation of intervention programmes in the context of Physical Education, and the analysis of the effects they have on the development of values, as well as personal and social competences in students, has become a topic of growing interest for numerous researchers (Gutiérrez-Marín et al., 2019). Thus, some investigations have focused on the analysis of the effects produced by the application of pedagogical models such as Sport Education (Bessa et al., 2020), Cooperative Learning (Engels, Freund, 2020), the Intercultural Movement Education programme (Grimminger-Seidensticker, Möhwald, 2020), or the Delphi programme (Cecchini et al., 2008). Among these models, Hellison's (1995) Teaching Personal and Social Responsibility (TPSR) stands out, which is considered to be one of the main approaches in the development and promotion of social learning through physical education (Wright, Walsh, 2020), as well one of the aspects related to responsibility and the acquisition of life skills (Hellison et al., 2000). Although it was originally created to promote values through physical activity and sport in young people at risk of exclusion (Hellison, 2011), over the last few years it has been used to promote psychosocial skills such as respect, empathy, self-control, effort and cooperation in different areas (sport, competitive or extracurricular), with students and athletes from different socio-economic and socio-demographic contexts (Carreres-Ponsoda et al., 2021). The main aim of this model is to make young people responsible for their own well-being and that of others, while incorporating strategies to exercise control over their daily lives, so that they can be effective in their social context (Hellison, 2003), trying to transfer these acquired behaviours and attitudes to the context of the home or community, so that they can take control of their lives (Hellison, 2011).

In order to achieve this purpose, the TPSR proposes five levels of responsibility: (1) Respect for the rights and feelings of others; (2) Self-motivation (Participation and effort); (3) Self-direction (Personal autonomy); (4) Empathy and social relations (Helping others and leadership); and (5) Transfer to other social contexts (Hellison, 2011). In some studies carried out with primary school students, the results showed improvements in self-regulation, with a decrease in delinquent behaviour and a greater number of responsible behaviours (Escartí et al., 2010), while increasing self-motivation and respect for one's own feelings and those of others (Pascual et al., 2011). As for Secondary Education, significant improvements were obtained, both in intrinsic motivation and in the self-control area, observing a decrease in anti-sports behaviours during Physical Education classes (Cecchini et al., 2003), fostering values of respect, effort, goal setting and leadership skills (Ward et al., 2012). Furthermore, other interventions found positive changes in the behavioural patterns of the participants, decreasing aggressive and disruptive behaviours (Escartí et al., 2006), developing more socially and personally responsible levels (Wright et al., 2010).

In relation to the systematic reviews performed on the TSPR, the following stand out: Pozo et al. (2018), which included studies prior to 2015; Baptista et al. (2020), who conducted a review of the application of the TSPR in the extracurricular context; and Sánchez-Alcaraz et al. (2020), which focused on the implementation of the TSPR, both in the educational and sports context, although studies prior to 2017 were included. Therefore, as far as we know, no systematic review has been performed on the effects of the implementation of TSPR in the context of physical education in Primary and Secondary Education including research carried out in the last 5 years. Accordingly, the questions guiding the review were the following: Which variables have been the most studied in the implementation of the TPSR; What are the main effects of TSPR on boys and girls in Primary and Secondary Education; What are the main effects of TSPR on boys and girls in Primary and Secondary Education; Thus, the objectives of this research were: 1) To carry out a systematic review to analyse the effects on students of the interventions carried out through Hellison's Personal and Social Responsibility Model in the subject of Physical Education; and 2) To describe and analyse these interventions.

2. Method

For this systematic review, the guidelines of the PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) statement (Page et al., 2021) were followed, as well as the corresponding practical guide for systematic reviews with or without meta-analyses (Moher et al., 2015).

Eligibility criteria

The inclusion criteria applied in this study were: a) research articles published in international peer-reviewed journals; b) papers including the implementation of the TPSR-based programme, as well as the analysis of its effect; c) studies carried out in Physical Education classes at the Primary and Secondary Education stages; d) publication date of the studies between 2018 and 2022; e) written in Spanish, English or Portuguese; f) research studies with control and experimental group intervention; g) inclusion of pre-test and post-test measures; h) being an experimental, quasi-experimental study or a randomised controlled trial; and finally, i) reports had to be available in full text. In terms of exclusion criteria, the following were proposed: a) studies based on systematic or literature reviews; b) manuscripts designed as opinion articles, theses, conference proceedings, books or book chapters; c) interventions delivered to students outside the Primary or Secondary Education stages; and, finally, d) articles not available in full text.

Information sources and search strategies

The search was undertaken until May 2022 in the following databases: Web of Science, SPORTDiscus, SCOPUS, ERIC, and PsycINFO. The search phrase was composed of four clearly differentiated blocks: (1) Hellison's Model OR Personal and Social Responsibility; (2) AND Physical Education; (3) AND Primary School OR Secondary School; (4) AND Intervention OR Experimental OR Quasi-experimental OR Randomized Controlled Trial.

Study selection and data extraction process

An analysis of the title and abstract of the manuscripts was executed, after which a total of 8 articles were selected for review. Additionally, after analysis of the reference lists of the selected papers, 29 reports were found and analysed, out of which 4 articles were added to the review. Finally, a total of 12 articles were included for data collection. In order to reduce selection bias, studies were independently reviewed by two researchers. In case of discrepancies, these were resolved in consultation with the third researcher.

Quality assessment

The Standard Quality Assessment Criteria for quantitative and qualitative studies (Kmet et al., 2004) was used to assess the quality of the papers. Two researchers assessed the quality of the studies independently. In case of discrepancies, these were solved in consultation with the third researcher.

3. Results

Selection of studies

A total of 4,094,844 studies were identified in the initial search. Once the filters were applied to each database in relation to the proposed eligibility criteria, a total of 3,707 articles remained for study. Finally, after performing the analysis of the documents, 12 articles were included for review (see Figure 1).

Quality assessment

Item quality scores were expressed as percentages, ranging from 0 to 100 %, varying from .75 to .88 (see Table 1). Inter-rater agreement was calculated using the intra-class correlation coefficient, yielding a score of .671 (p < .05), indicating a substantial degree of agreement (Landis, Koch, 1977). After implementing inter-rater agreement, a conservative cut-off point was agreed upon for the selection of evaluators, including those studies with scores of no less than 75% (> .75). The overall scores assigned by the first observer ranged from .75 to .88, while those of the second observer ranged from .77 to .83.

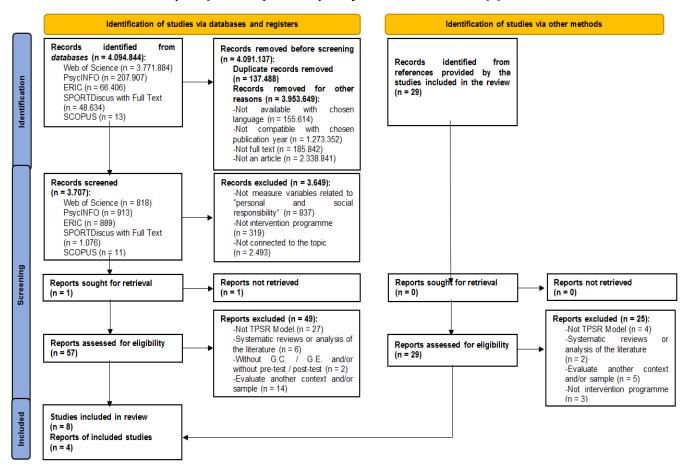


Table 1. Assessment of the studies' quality

Studies	Observer 1	Observer 2
Pozo et al. (2022)	.88	.83
Manzano-Sánchez et al. (2021)	.83	•77
Sánchez-Alcaraz et al. (2021)	.87	.80
García-García et al. (2020)	.79	•77
Merino-Barrero et al. (2020)	.75	.80
Pérez-Ordás et al. (2020)	.85	.79
Manzano-Sánchez, Valero-Valenzuela (2019a)	.83	.80
Manzano-Sánchez et al. (2019)	.83	·77
Manzano-Sánchez, Valero-Valenzuela (2019b)	.81	-77
Prat et al. (2019)	•77	.77
Sánchez-Alcaraz et al. (2019)	.77	.77
Buišić, Dorđić (2018)	.87	.83

Characteristics of the studies

The main characteristics of the selected studies are presented below (see Tables 2 and 3).

 $\textbf{Table 2.} \ \textbf{Characteristics and duration of the study, participants, assessment instruments and intervention protocol}$

Studies	Country	Study duration	N (Gender) N (CG and EG)	Subjects age	Participant characteristics	Instruments/ Variables		PT010001
<i>5</i> 5	õ	Study	N (CG	Subj	Par	Instr Va	90	EG
Pozo et al. (2022)	Spain	8 months weekly sessions of 55 minutes each A total of 56 sessions	210 (110 girls) (100 boys) CG: 107 (55 Girls; 52 boys) EG: 103 (55 girls; 48 boys)	10-12 years old M= 11.04 SD= .497	Prim. Ed. students with marginalisation and delinquency problems with no previous experience with the TPSR	Empathy variable: Spanish version of the Bryant's Empathy Index (Del Barrio et al., 2004) Emotional intelligence variable: Spanish version of the Trait Meta-Mood Scale (Fernández-Berrocal et al., 2004).	NR	TPSR (Hellison, 1995)
Manzano-Sánchez et al. (2021)	Spain	8 months NR	257 (106 girls) (151 boys) CG: 67 EG (EF): 100	12-16 years old M=15.28 SD=3.20	Secondary school students from a low-middle socio-economic background with no previous experience with the TPSR	Personal and Social Responsibility variable: Spanish version of the Personal and Social Responsibility Questionnaire (PSRQ). Variable Basic Psychological Needs: Spanish version of the Psychological Need Satisfaction in Exercise (PNSE) scale Motivation variable: Spanish version of the Echelle de Motivation en Éducation (EME) (Núñez et al., 2005). Variable social behaviours: Spanish version of the Teenage Inventory of Social Skills (TISS) (Inderbitzen and Foster, 1992; Inglés et al., 2003). Perception of violence variable: Classroom social environment variable: Classroom social environment variable: Classroom social environment variable: Resilience variable: Classroom social environment variable:	Spanish version of the Resinence Scale (KS-14) (Sanchez-Teruer et al., 2015) NR	TPSR (Hellison, 1978)

García-García et al. (2020)	Sánchez-Alcaraz et al. (2021)
Spain	Spain
5 months 2 weekly sessions of 55 minutes each A total of 29 sessions	1 month 2 weekly sessions of 60 minutes each 8 sessions
57 (25 girls) (32 boys)	672 NR
CG: 31 (15 girls; 16 boys) EG: 26 (10 girls; 16 boys)	CG: 334 EG:338
M = 11.93 $SD = .73$	13-15 years old $(M \pm SD = 14 \pm 2 \text{ years old})$
Primary and secondary school students, with similar socio-demographic profiles. No previous experience with the TPSR	Secondary school students from schools with middle-level socio-demographic profiles with no previous experience of the TPSR
Personal and social responsibility variable: (PSRQ) (Escart et al., 2011). Prosocial and antisocial behaviour variable: (TISS) (Inderbitzen, Foster, 1992; English et al., 2003). Empathy variable: Spanish version of the Interpersonal Reactivity Index (IRI) scale (Pérez-Albéniz et al., 2003). School violence variable: Spanish version of the California School Climate and Safety Survey (CSCSS) (Fernández-Baena et al., 2011). Physical activity level perception variable: Spanish version of the Physician-based Assessment and Counselling for Exercise (PACE) (Martínez-Gómez et al., 2009).	Violent behaviours variable: Ad hoc instrument designed by Anguera et al. (2012) and validated for the Spanish context by Sánchez-Alcaraz et al. (2018).
Traditional teaching, using the teaching technique: Direct Instruction	Teacher's usual methodology
TPSR (Hellison, 1978; 2003; 2011)	TPSR (Hellison, 2011)

Pérez-Ordás et al. (2020)	Merino-Barrero et al. (2020)
Spain	Spain
8 months	5 months
2 weekly sessions of 55 minutes each	2 weekly sessions of 55 minutes each
A total of 56 sessions	A total of 29 sessions
210 (110 girls) (100 boys)	72 (34 girls) (38 boys)
CG: 107 (55 girls; 52 boys) EG: 103 (55 girls; 48 boys)	Prim. Ed.: 40 Sec. Ed.: 32
10-12 years old	11-13 years old
M=11.04 SD = .497	M = 12.05 SD = 1.12
Prim. Ed. students with marginalisation and delinquency problems (112 from upper-middle socio-economic backgrounds; 98 from lower-middle socio-economic backgrounds) with no previous experience of the TPSR	Primary and secondary school students, with intermediate socio-demographic profiles and no previous experience with the TPSR.
Physical and verbal aggression variable: Spanish version of the Physical and Verbal Aggression Scale (Del Barrio et al., 2001). Social responsibility behaviours variable: Video recording of two sessions following the instructions of Escartí et al. (2006) and a recording sheet.	Personal and social responsibility variable: (PSRQ) (Escartí et al., 2011). Variable Basic Psychological Needs: Spanish version for school contexts of the Basic Psychological Needs in Exercise Scale (Moreno-Murcia et al., 2008). Motivation variable: Motivation Questionnaire for Physical Education (Sánchez-Oliva et al., 2012). Sportspersonship variable: Spanish version of the Multidimensional Sportspersonship Orientation Scale (MSOS) (Martín-Albo et al., 2006). Intention to be physically active variable: Spanish version of the Intention to be Physically Active Scale (IPAS) (Moreno-Murcia et al., 2007). Physical and verbal aggression variable: Spanish version of the Physical and Verbal Aggression Scale (Del Barrio et al., 2001). Social responsibility behaviours variable: Video recording of two sessions following the instructions of Escartí et al. (2006) and a recording sheet.
Teacher's usual methodology	Teaching technique: Direct instruction
TPSR (Hellison, 1995)	TPSR (Hellison, 2011)

Manzano-Sánchez, Valero-Valenzuela (2019b)	Manzano-Sánchez et al. (2019)	Manzano-Sánchez, Valero-Valenzuela (2019a)
Spain	Spain	Spain
7 months	8 months	4 months
NR	NR	NR
272	\$6	25
(139 girls) (133 boys)	(45 girls) (40 boys)	(11 girls) (14 boys)
Prim. Ed.: 207 Sec. Ed.: 65	CG: 50 (28 girls; 22 boys) EG: 35 (17 girls; 18 boys)	CG: 11 (2 girls; 9 boys) EG: 14 (9 girls; 5 boys)
9-14 years old	14-18 years old	9-11 years old
M=11.13 SD = 1.78	M=16.22 SD = .41	M = 9.96 SD = .84
Primary and secondary school students, from two public schools with a similar average socio-economic level.	Secondary school students with similar socio-demographic profiles with no previous experience with the TPSR	Prim. Ed. students with similar socio-demographic and socio-cultural characteristics
No previous experience with the TPSR		No previous experience with the TPSR
Personal and social responsibility variable: (PSRQ) (Escartt et al., 2011). Basic Psychological Needs variable: (PNSE) (Moreno-Murcia et al., 2008). Motivation variable: Spanish version of the Motivation Toward Education Scale (Nunez et al., 2005). Social behaviours variable: (TISS) (Inderbitzen, Foter, 1992; Inglés et al., 2003). Perception of violence variable: (CUVE) (Alvarez et al., 2013). Classroom social climate variable: (CECSE) (Trianes et a., 2006) Teaching technique: Direct instruction	Motivation variable: Motivation in Physical Education Questionnaire (CMEF) (Sánchez-Oliva et al., 2012). Personal and social responsibility variable: (PSRQ) (Escartí et al., 2011). Basic Psychological Needs variable: (PNSE) (Moreno-Murcia et al., 2008). Intention to be physically active variable: (IPAS) (Moreno-Murcia et al., 2007). Satisfaction with life variable: Spanish version of the Satisfaction with Life Scale (Atienza et al., 2003) NR TPSR (Hellison, 2011)	Personal and social responsibility variable: (PSKO) (Escarti et al., 2011). Variable Basic Psychological Needs: Subscale referring to autonomy (PNSE) (Moreno-Murcia et al., 2011). Motivation variable: (EME) (Núñez et al., 2005). Self-concept variable: Self-concept variable: Self-concept Questionnaire (AF5) validated for the Spanish context by García and Musitu (1999). Classroom social climate variable: Cuestionario de Evaluación del Clima Social en el Aula (Pérez et al., 2009). Educational values variable: Semi-structured interview based on Patton's slogans (2002) NR

Buišić, Dorđić (2018)	Sánchez-Alcaraz et al. (2019) *Study no. 2	Prat et al. (2019)
Serbia	Spain	Spain
2 months 3 weekly sessions of 45 minutes each A total of 24 sessions	4 months 2 weekly sessions of 60 minutes each A total of 32 sessions	3 months NR
100 (46 girls) (54 boys)	563 (240 girls) (323 boys)	44 (21 girls) (23 boys)
CG: 55 (23 girls; 32 boys) EG: 45 (23 girls; 22 boys)	NR	CG: 22 EG: 22
8-10 years old NR	12-15 years old. M= 13.73 SD = 1.83	14-15 years old M=13.95 SD =1.08
Prim. Ed. students from two schools in the city of Sombor (Serbia) NR	Primary Ed. students (6th grade) and Secondary Ed. students (3rd grade) from Spanish public schools. NR	Secondary school students in the third year of a public secondary school in the province of Lleida (Spain) NR
Personal and Social Responsibility Variable: (PSQR) (Li et al., 2008) Motivational orientations: Questionnaire Self-Regulation (Kyan, Connell, 1989; Goudas et al., 1994). Athletic competence, social acceptance and behavioural patterns variable: Subscales of the Self-Perception Profile for Children (SPPC) (Harter, 1985a). Peer support variable: Support Scale for Children (Harter, 1985b) Motor skills variable: Observation and completion of a rubric.	Personal and social responsibility variable: Spanish version of the Personal and Social Responsibility Questionnaire (PSQR) (Escarti et al., 2011). Sportspersonship variable: (MSOS) (Martín-Albo et al., 2006). School violence variable: (CSCSS) (Fernández-Baena et al., 2011)	Basic Psychological Needs variable: Spanish version for school contexts of the Basic Psychological Needs in Exercise Scale (BPNES) (Moreno-Murcia et al., 2008). Self-determined motivation variable: (CMEF) (Sánchez-Oliva et al., 2012). Sportspersonship variable: (MSOS) (Martin-Albo et al., 2006). Intention to be physically active variable: (IPAS) (Moreno-Murcia et al., 2007). Lifestyle variable: Corto Krece Plus Test (Serra et al., 2003)
Teacher's usual methodology	Teacher's usual methodology	Traditional style, using the technique of direct instruction teaching.
TPSR (Hellison, 2003)	TPSR (Hellison, 2011)	TPSR (Hellison, 1985; Hellison, 2003)

N: Sample size; M: Mean; SD: Standard deviation; Prim. Ed.: Primary Education; Sec. Ed.: Secondary Education; PE: Physical Education; CG: Control Group; EG: Experimental Group; TPSR: Teaching Personal and Social Responsibility; NR: Not reported.

Table 3. Objective, design, intervention programme and main research results

			Int	ervention programme	
Studies	Studies' purpose	Design	Control G.	Experimental G.	Main results
Pozo et al. (2022)	The aim of the study was twofold: (1) to research the effects of a TPSR-based programme on empathy and perceived emotional intelligence in PE; and (2) to compare the results obtained among primary school children from medium-low and medium-high socioeconomic backgrounds.	Quasi- experimental, with pre-test and post-test measures (2 CG/2 GE). Quantitative analysis of intervention data	NR	The TPSR adapted to the context of the participants was implemented following the guidelines of Escarti et al. (2005) and Marín (2011). Each session followed this structure: (1) Awareness talk: Reminder about the levels of responsibility and goals proposed in the session; (2) Responsibility in action: Strategies were taught for the development of responsibility; (3) Reflection time: Teacher and students shared perceptions about the session; and (4) Selfassessment: Learners selfevaluated their responsibility development within the session. The strategies used in the programme to develop	The intervention was more effective in participants understanding of feelings in the medium-high background group. Improvements were found in the factors of feelings of sadness, emotional intelligence, attention and repair in the lower-middle background group. compared to the upper-middle background group. The TPSR was particularly useful for improving emotional intelligence in more vulnerable socio-economic contexts.

Sinchez offerences between a polyting it is described by the personal of an anal a CG. Sinchez To implement a programme in data To implement approgramme in Scharze et al. (2012) To implement approgramme in data To implement approgramme in Scharze et al. (2012) To analyse in a Teaching of Personal and Scharze et al. (2012) Scharze et al. (2012) To analyse in a Teaching experimental, etching experimental, etching experimental, etching experimental, etching experiment in the fermination of the season of the session, and responsibility in the season in three particles of a session delivered. (Ifferent believes of the season in the session in three particles and responsibility in the season in three particles and responsibility in the season in three particles and responsibility in the season in three particles and responsibility in programme (TFSk), the preceptions of violence and levels of physical activity. Edition to repassibility, proposability in PK classes and (2) to extend the study of the TFSR, assessing monitority of the study of the TFSR, assessing monitority of the study of the TFSR, assessing monitority of the study was believed to the study of the TFSR, assessing the study of the TFSR,					. 1 11	
To implement a programme in Al. (2022) Alearne et al. (2022) Alearne et al. (2022) To analyse, in a Teaching personal and social cardiacted and personal and social and (2020) The objective of the study was brodelic et and exception of violence and levels of physical activity. Merino-Barrero et al. (2022) The objective of the study was barrero et al. (2020) The objective of the study was solved a consistence and levels of physical activity. Merino-Barrero et al. (2020) The objective of the study was solved and consistence and levels of physical activity. Merino-Barrero et al. (2020) Barrero et al. (2020) The objective of the study was solved and consistence and levels of physical activity. Merino-Barrero et al. (2020) Barrero et al. (2020) Singular et al. (2020) Barrero et al. (2020) Singular et al. (2020) Singul	Sánchez et al.	assess its impact on psychological and contextual variables in Secondary School students, comparing the differences between a EG applying it to several subjects other than PE, another EG applying it exclusively to PE,	experimental, with pre-test and post-test measures (1 CG/1 GE). Quantitative analysis of intervention	NR	Wright and Craig (2011). Each delivered session followed the format proposed by Hellison (1978), although it was modified by combining the fourth and fifth parts. At the end of each session, teacher and students shared perceptions of the session, and students self-evaluated their responsibility developed within the session. In the sessions delivered, different tasks were designed to develop the levels of responsibility, following the guidelines of Manzano-Sánchez	social climate and prosocial behaviours of students belonging to the EG. These changes were more significant in the female
Garcia et al. (2020)	Alcaraz et	PE classes based on the Teaching of Personal and Social Responsibility (TPSR), to investigate the effects on disruptive behaviour in	experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative analysis of intervention	usual methodology was followed, structuring the session in three parts: (1) Warm-up; (2) Physical activity lesson; (3)	The TPSR was implemented. Each session delivered followed a five-part format, proposed by Hellison (2011): (1) Relational time: Teacher-student interaction for bonding during the sessions; (2) Awareness talks: Objectives and values to be developed in the session are presented; (3) Physical activity plan: Strategies for the development of student responsibility are carried out; (4) Group meeting: At the end of each session teacher and students shared insights about the session; and (5) Reflection/self-evaluation: Students self-evaluated their responsibility developed within the	behaviours aggression, verbal aggression, and disruptive behaviours) developed in the EG after the intervention. The implementation of the TPSR was effective for improving school coexistence, decreasing violent behaviours (physical and verbal aggression) and undisciplined behaviours (classes with continuous interruptions)
Merino-Barrero et twofold: (1) to assess the Barrero et wofold: (2020) Al (2020) Basic Psychological Needs, sportspersonship and intention to be physically active outside school, in Primary and Secondary School students. The objective of the study was twofold: (1) to research the Al (2020) Pérez-Ordás et al (2020) Pérez-Ordás et al (2020) The objective of the study was conducted with five lexperimental, with pre-test and programme for personal and post-test study of the TPSR, assessing its effects on responsibility, motivation, satisfaction of Basic Psychological Needs, sportspersonship and intention to be physically active outside school, in Primary and Secondary School students. Pérez-Ordás et al. (2020) Portinary and Secondary School students. Pérez-Ordás et al. (2020) Pérez-Ordás	García et	personal and social responsibility programme (TPSR), the perceptions of students and their families in relation to responsibility, prosocial behaviour, empathy, perception of violence and	experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative analysis of intervention	traditional teaching methodology was followed. The session was structured in three parts: (1) Warm-up: Joint mobility exercises; (2) Main part: Technical exercises; (3) and Relaxation:	The TPSR was implemented. Each session delivered followed the format proposed by Hellison (1978; 2003; 2011), although it was modified, by combining the fourth	behaviour and perception of violence were found in both groups (CG and EG), showing contradictory
Ordás et al. (2020) results of a TPSR-based programme on the variables of aggression and social responsibility; and (2) to compare the effects produced by this model in primary schoolchildren from medium-low and medium-high socioeconomic backgrounds. Ordás et al. (2020) results of a TPSR-based programme on the variables of aggression and social responsibility; and (2) to compare the effects produced by this model in primary schoolchildren from medium-low and medium-high socioeconomic backgrounds. Ordás et twofold: (1) to research the experimental, with pre-test and post-test methodology was followed measures (2 and the session; (2) Responsibility in action: Strategies were taught for the development of responsibility; to the medium students shared perceptions about the session; and (4) Self-evaluation: Students self-evaluated their responsibility developed within the session. Were found in the variables of responsibility in aggression, with a graderous the development of responsibility; to the medium students shared perceptions about the session; and (4) Self-evaluation: Students self-evaluated their responsibility developed within the session. The variables of responsibility and aims proposed in the session; (2) Responsibility in action: Strategies were taught for the development of responsibility; to the medium students shared perceptions about the session; and (4) Self-evaluation: Students self-evaluated their responsibility developed within the session. The variables of responsibility and aims proposed in the session; (2) Responsibility in action: Strategies were taught for the development of responsibility; to the medium students shared perceptions about the session; (3) Reflection time: Teacher and students shared perceptions about the session; vita aggression, with a gradient shared perceptions about the session; (3) Reflection time: Teacher and students shared perceptions about the session; vita aggression, with a gradient shared perceptions about the session; vita aggression, with a gradient share	Barrero et	twofold: (1) to assess the impact of a teaching programme for personal and social responsibility in PE classes; and (2) to extend the study of the TPSR, assessing its effects on responsibility, motivation, satisfaction of Basic Psychological Needs, sportspersonship and intention to be physically active outside school, in Primary and Secondary School	experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative analysis of intervention	The direct instruction teaching technique based on Rosenshine's (1983) and Metzler's (2011) instructions was implemented. The students were not allowed to make decisions and the teacher kept full control of the	levels of responsibility (Escartí et al., 2012). Each session delivered followed the following format (Hellison, 2011): For the implementation of the programme, general and specific strategies were undertaken, as well as strategies for resolving conflicts, both individual and collective	developed in EG participants in terms of personal and social responsibility, self- determined motivation, satisfaction of Basic Psychological Needs (competence, autonomy and social relationships), sportspersonship and intention to be physically active outside school. The TPSR was especially useful for the improvement of self-determined motivation and the
, , , , , , , , , , , , , , , , , , ,	Ordás et	twofold: (1) to research the results of a TPSR-based programme on the variables of aggression and social responsibility; and (2) to compare the effects produced by this model in primary schoolchildren from mediumlow and medium-high socio-	experimental, with pre-test and post-test measures (2 CG/2 EG). Quantitative analysis of intervention	The teacher's usual methodology	this structure: (1) Awareness talk: Reminder about the levels of responsibility and aims proposed in the session; (2) Responsibility in action: Strategies were taught for the development of responsibility; (3) Reflection time: Teacher and students shared perceptions about the session; and (4) Self-evaluation: Students self-evaluated their responsibility developed	socioeconomic context. On the other hand, social responsibility behaviours improved in both socioeconomic contexts (lower-middle and upper-

					aggressive and prosocial behaviours in Primary Ed. students from low- performing schools.
Manzano- Sánchez, Valero- Valenzuel a (2019a)	To apply the TPSR to a group of 4th year Primary Ed. students, in order to assess its effects on responsibility, autonomy, motivation, self-concept and classroom social climate, as well as to test its potential for application in other subjects, in addition to PE.	Quasi- experimental, with pre-test and post-test measures (1 CG/1 EG). Mixed Method (qualitative and quantitative analysis)	NR	The TPSR was implemented. Each delivered session followed the format proposed by Hellison (2011), although it was modified by combining the fourth and fifth parts. At the end of each session, teacher and students shared perceptions of the session, and students self-evaluated their responsibility developed within that session. For the implementation of the programme, general and specific strategies were implemented, as well as strategies for resolving conflicts, both individual and collective (Escartí et al., 2013).	Improvements were found for the EG in the variables of autonomy, social responsibility, intrinsic and introjected motivation, self-concept and classroom social climate. However, no significant changes were observed in the personal responsibility variable.
Manzano- Sánchez et al. (2019)	To analyse the implementation of the TPSR in Secondary School students, in order to assess its effects on responsibility, Basic Psychological Needs, motivation, life satisfaction and intention to be physically active, as well as to test its differences based on gender.	Quasi- experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative analysis of intervention data	NR	The TPSR was conducted following Hellison's (2011) guidelines. For the implementation of the programme, general and specific strategies were carried out, as well as strategies for resolving conflicts, both individual and collective (Escartí et al., 2013).	Improvements were found in all variables, being more significant in the female gender, where higher levels of personal and social responsibility, development of Basic Psychological Needs (BPN) and intrinsic motivation in PE classes were observed.
Manzano- Sánchez, Valero- Valenzuel a (2019b)	Implement a programme based on the TPSR in Primary and Secondary Education, to analyse the effects on responsibility, satisfaction of the BPN, motivation, prosocial behaviour, violence and classroom climate, and to compare its application with other subjects.	Quasi- experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative analysis of intervention data	The teaching technique of direct instruction was applied, where everything was organised and decided by the teacher, making the teacher the centre of the learning process, keeping full control over the class at all times.	The TPSR was used. Each session delivered followed the format proposed by Hellison (2011), although it was modified by combining the fourth and fifth parts. After each session the teacher and students shared perceptions of the session, and the students self-assessed their responsibility developed within that session.	Improvements were found for the EG in the variables of personal and social responsibility, self-determined motivation and satisfaction of the BPNs. In addition, there was a positive trend towards prosocial behaviours, classroom climate, as well as a decrease in antisocial behaviours.
Prat et al. (2019)	To analyse an implementation of the TPSR in the field of PE in order to show the impact it has on classroom dynamics, physical activity levels and lifestyle in secondary school students.	Quasi- experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative analysis of intervention data	The teaching technique of direct instruction (homework assignment) was used. Everything was organised and controlled by the teacher, leaving little participation to the students in the development of the session.	The TPSR was implemented. Each session followed the format proposed by Hellison (2003). For the implementation of the programme, strategies were carried out for the development of affective relationships and social competences, the opportunity to make decisions and the possibility of transferring these attitudes to the everyday context (Tarín-Moreno et al., 2013).	Significant improvements were observed in terms of participation in the PE classes of the students belonging to the EG, leading to a development of their BPN, levels of sportspersonship in free time, intention to be physically active, motivation towards PE, as well as an increase in their levels of active lifestyle.
Sánchez- Alcaraz et al. (2019) *Study no. 2	To apply the TPSR in PE classes, to students in primary and secondary education, in order to determine the changes produced in terms of the acquisition of personal and social responsibility, levels of sportspersonship and school violence.	Quasi- experimental, (Montero and León, 2007), with pre-test and post-test measures (2 CG in Prim. Ed./2 EG in Second. Ed.) Quantitative analysis of intervention data	The teacher's usual methodology was followed The sessions followed the classic format: (1) Warm-up; (2) Main part; and (3) Cool down.	The TPSR was conducted with five levels of responsibility (Hellison, 2011), being level 5 (transfer to other social contexts) involved from the beginning throughout the programme. General and specific strategies (Hellison, 2011), as well as strategies aimed at resolving conflicts, both individual and collective, were carried out for the implementation of the programme.	Improvements were found for the EG in the variables of personal and social responsibility, commitment to sports participation, concern and respect, both for the established rules and for their teammates and opponents in the game, predicting positively sportspersonship and negatively violent behaviour in the students.
Buišić, Dordić (2018)	To analyse the effectiveness of the TPSR in the context of PE, specifically in the Primary Education stage, in order to verify its influence on students' personal and social responsibility, motivational	Quasi- experimental, with pre-test and post-test measures (1 CG/1 EG). Quantitative	The teacher's usual methodology was followed The sessions did not encourage	The TPSR was implemented. The programme followed the format proposed by Hellison (2003), although it was modified by maintaining four of its five levels of responsibility: (1) Self-monitoring; (2) Effort; (3) Self-regulation; and	Significant improvements in the EG were found in line with the variables of effort and progress, control of one's own behaviour, mutual respect and setting individual achievement

orientations, self-assessment	analysis of	students to	(4) Support.	goals, producing most
of sport competences, social	intervention	behave	Each session was structured as	outstanding improvements
competence and behavioural	data	responsibly,	follows: (1) Beginning with an	in motor learning mastery,
control, peer support, as well		nor did they	introductory assembly, setting the	responsibility and self-
as on the acquisition of motor		implement	objectives for the session; and (2)	determined motivation.
skills.		strategies to	Closing the session with a group	
		develop	meeting/self-evaluation, where	
		personal and	perceptions of the session were	
		social	shared, and students self-evaluated	
		responsibility	their responsibility developed	
		in students.	within the session.	
			To implement the programme,	
			specific teaching strategies were	
			used (Hellison and Walsh, 2002).	

Prim. Ed.: Primary Education; Sec. Ed.: Secondary Education; PE: Physical Education; CG: Control Group; EG: Experimental Group; TPSR: Teaching Personal and Social Responsibility; BPN: Basic Psychological Needs; NR: Not reported.

4. Discussion

The objectives of this study were: 1) To conduct a systematic review to analyse the effects on students of interventions using Hellison's Personal and Social Responsibility Model in Physical Education; and 2) To describe and analyse, in turn, these interventions.

In terms of the context of application of the investigations, all the studies were conducted within the subject of Physical Education, at the Primary and Secondary Education stages. The studies in Primary Education (6-12 years old) amounted to a total of 4/12 studies (Buišić, Dordić, 2018; Manzano-Sánchez, Valero-Valenzuela, 2019a; Pérez-Ordás et al., 2020; Pozo et al., 2022), as did those carried out in Secondary schools (12-16 years old) (Manzano-Sánchez et al., 2019; Prat et al., 2019; Manzano-Sánchez et al., 2021; Sánchez-Alcaraz et al., 2021). The same number of studies (4/12) were performed in both educational stages (Manzano-Sánchez, Valero-Valenzuela, 2019b; Sánchez-Alcaraz et al., 2019; García-García et al., 2020; Merino-Barrero et al., 2020; García-García et al., 2021; Prat et al., 2021).

Regarding the instruments used in the different research studies, for those which conducted a quantitative analysis of the data, the use of questionnaires and scales based on values of responsibility and behavioural patterns was most common (11/12), with the Spanish version of the Personal and Social Responsibility Questionnaire (PSRQ) (Escartí et al., 2011) being the most widely used instrument to measure these variables, adapted to the educational sphere. It should also be noted that other instruments were used to measure different variables. Some of them were: (1) Satisfaction of the BPN, being the Spanish version of the Psychological Need Satisfaction in Exercise (PNSE) scale, validated in the educational context by Moreno-Murcia et al. (2011), the most widely used for this purpose; (2) Sportspersonship, using the Spanish version of the Multidimensional Sportspersonship Orientation Scale (MSOS) (Martín-Albo et al., 2006); (3) Intention to be physically active, through the Spanish version of the Intention to be Physically Active Scale (IPAS) (Moreno-Murcia et al., 2007); and (4) Quality of life, through the Spanish version of the Satisfaction with Life Scale (Atienza et al., 2003).

According to the intervention protocol followed in the different control groups, a total of 4/12 studies used traditional teaching, based on the direct instruction teaching technique (Prat et al., 2019; García-García et al., 2020; Manzano-Sánchez, Valero-Valenzuela, 2019b; Merino-Barrero et al., 2020). In addition to using direct instruction, in other research studies (4/12) the teacher's usual methodology was applied (Buišić, Dordić, 2018; Pérez-Ordás et al., 2020; Sánchez-Alcaraz et al., 2019; Sánchez-Alcaraz et al., 2021). On the other hand, 4/12 studies did not report information on the intervention programme followed by the control group of their research (Manzano-Sánchez, Valero-Valenzuela, 2019a; Manzano-Sánchez et al., 2019; Manzano-Sánchez et al., 2021; Pozo et al., 2022). Regarding the methodology used in the experimental groups, all the studies used a teaching based on the TPSR, however, some research (3/12) implemented this model following the original structure of the session proposed by Hellison (2011) divided into parts, while in other interventions (9/12) parts (4) and (5) were combined (Buišić, Dordić, 2018; Manzano-Sánchez, Valero-Valenzuela, 2019a; Manzano-Sánchez, Valero-Valenzuela, 2019b; Prat et al., 2019; Sánchez-Alcaraz et al., 2019; García-García et al., 2020; Pérez-Ordás et al., 2020; Manzano-Sánchez et al., 2021; Pozo et al., 2022; Manzano-Sánchez et al., 2022).

Taking into account the results obtained in the different investigations, it was found that the implementation of the TPSR produced improvements in four main aspects: (1) Behaviour; (2) Emotions; (3) Psychological variables; and (4) Development of values.

Firstly, with regard to behavioural patterns, the studies carried out by Pérez-Ordás et al. (2020) and Manzano-Sánchez et al. (2021), who obtained positive changes corresponding to behavioural patterns, which were more significant in the female gender, stand out. In contrast to these data, the intervention by Sánchez-Alcaraz et al. (2013) achieved higher levels of personal and social responsibility in students in the experimental group, although these were significant in the male gender in both educational stages. Similar results were drawn from the studies by Jung and Wright (2012) in adolescent students at risk of exclusion, although no differences by gender were established, positive improvements were found in terms of the development of personal and social responsibility behaviours, thus decreasing different undisciplined behaviours. On the other hand, in the research carried out by Sánchez-Alcaraz et al. (2021), in addition to obtaining a decrease in aggressive and disruptive behaviours after teaching the sessions based on the TPSR, respect and empathy were fostered, thus improving the school coexistence of the students participating in school. In line with these results were the findings of the research carried out by Gordon (2010), Buckle and Walsh (2013), and Manzano-Sánchez et al. (2020). Nevertheless, the study conducted by García-García et al. (2020), offered contradictory results as an increase in antisocial and violent behaviours was perceived in both the control group and the experimental group.

Secondly, concerning the findings on emotional variables, Pozo et al. (2022) compared two schools from different socio-economic backgrounds (lower-middle and upper-middle). The results indicated positive improvements related to the understanding of feelings, being more significant in the experimental groups belonging to the medium-high context. Nonetheless, they found significant improvements in emotional intelligence variables in the experimental groups belonging to the most vulnerable contexts. These results are in line with those reported by Balderson and Sharpe (2005), who found a development in the levels of social values, positive emotional and social behaviour in students, and improvements in conflict resolution during the lessons taught.

Thirdly, regarding the results related to psychological variables, Prat et al. (2019) and Merino-Barrero et al. (2020) found significant improvements in students in the experimental group in terms of levels of personal and social responsibility, self-determined motivation and the satisfaction of BPN, as well as the intention to be physically active outside the school context, which is consistent with the findings of Hayden et al. (2012). Nevertheless, Manzano-Sánchez and Valero-Valenzuela (2019a) found positive changes in all of the variables named above, except for levels of personal responsibility. Furthermore, in the research conducted by Manzano-Sánchez and Valero-Valenzuela (2019b), there was an increase in integration, empathy and classroom social climate in the students belonging to the experimental group, with these results standing out more positively in the female gender (Manzano-Sánchez et al., 2019). In contrast, Martínez and Gómez-Mármol (2017) obtained more favourable results for the male gender, although no significant differences were detected in terms of the variables of social responsibility, fun and participation. Buišić and Dordić (2018) meanwhile found significant improvements in the experimental group, related to the variables of effort and progress, behavioural self-control, mutual respect and the establishment of achievement goals, with the most important improvements developing in the variables of motor learning mastery, responsibility and self-determined motivation. These data are consistent with those found by Balderson and Martín (2011).

Finally, regarding the results obtained in the variables corresponding to values education, Sánchez-Alcaraz et al. (2019) reported positive changes in the development of educational values, such as commitment, concern and respect, both for the established rules and for their classmates, positively predicting sportspersonship and negatively predicting violent behaviour in the students belonging to the experimental group. These data are in line with those obtained in other studies such as those of Cecchini et al. (2007).

In general, it was observed that there were no significant differences in the variables studied in relation to the educational stage. However, the results seem to be more favourable and to be developed to a greater extent in Primary School students, which is consistent with the findings of Sánchez-Alcaraz et al. (2014).

The results obtained in this systematic review should be treated cautiously, due to the existence of some limitations which should be taken into account. Firstly, although most of the studies reported positive improvements in students, there was a certain lack of unanimity, as some

of them presented contradictory data (Manzano-Sánchez, Valero-Valenzuela, 2019a; García-García et al., 2020). One reason for this might be the inclusion of few longitudinal studies in which long-term implementation is carried out (Hellison, Walsh, 2002). On the other hand, most of the research studies included in this review were conducted in Spain, and the studies assessed a wide variety of variables, with disparate objectives and results, making it difficult to compare the findings drawn from them. Future lines of research could focus on the implementation of the TPSR and analyse its transfer to other contexts such as Early Childhood Education. The analysis of the implementation process of TPSR-based programmes could also be addressed. Additionally, future studies could examine the effectiveness of the Model after a period of time, in order to analyse the maintenance of the effects in the medium/long term.

5. Conclusion

In order to answer the questions raised at the beginning of the manuscript, one should underline that the studies implementing the TPSR analyse variables such as personal and social responsibility, satisfaction with the BPN, followed by those variables measuring levels of sportspersonship and intention to be physically active. Emotional intelligence, lifestyle, resilience and classroom social climate are also studied, but to a lesser extent. On the other hand, the results of the interventions reveal that Hellison's TPSR produces, both in Primary and Secondary students, positive changes in terms of behavioural and psychological variables, understanding of one's own and others' feelings, as well as a high development of educational values in the person, such as empathy, effort or cooperation, in addition to other aspects related to self-control, self-esteem, autonomy and leadership goals. Likewise, this model can become a reference for the promotion and encouragement of fair play or sportspersonship, as improvements are obtained in terms of respect, both for the rules of the game and for their own teammates and opponents. Moreover, these improvements are developed in a more significant way in students belonging to the Primary Education stage.

These findings, although cautiously, in view of the need for further research, may be useful for both teachers and coaches when creating school environments where the development of responsibility and respect, as well as positive behaviours and values in students is a priority.

References

Álvarez et al., 2013 – Álvarez, D., Núñez, J.C., Dobarro, A. (2013). Questionnaires to assess school violence in Primary Education and Secondary Education: CUVE3-EP y CUVE3-ESO. Apuntes de Psicología. 31(2): 191-202.

Anderson, 2019 – Andersson, E. (2019). A referee perspective on the educational practice of competitive youth games: Exploring the pedagogical function of parents, coaches and referees in grassroots soccer. *Physical Education and Sport Pedagogy*. 24(6): 615-628. DOI: 10.1080/17408989.2019.1652806

Anguera et al., 2012 – Anguera, M.T., Camerino, O., Castañer, M. (2012). Mixed methods procedures and designs for research on Sport, Physical Education and Dance. In O. Camerino, M. Castañer, M.T. Anguera (Eds.), Mixed methods research in the movement sciences: Case studies in Sport, Physical Education and Dance (pp. 3-27). Routledge.

Atienza et al., 2003 – Atienza, F.L., Balaguer, I., García-Merita, M.L. (2003). Satisfaction with Life Scale: Analysis of factorial invariance across sexes. *Personality and Individual Differences*. 35(6): 1255-1260. DOI: 10.1016/S0191-8869(02)00332-X

Balderson, Martín, 2011 – Balderson, D.W., Martín, M. (2011). The efficacy of the Personal and Social Responsibility Model in a Physical Education setting. *Phenex Journal*. 3(3): 1-15.

Balderson, Sharpe, 2005 – Balderson, D.W., Sharpe, T. (2005). The effects of personal accountability and personal responsibility instruction on select off-task and positive social behaviors. Journal of Teaching in Physical Education. 24(1): 66-87. DOI: 10.1123/jtpe.24.1.66

Baptista et al., 2020 – Baptista, C., Corte-Real, N., Regueiras, L., Seo, G., Hemphill, M., Pereira, A., Dias, C., Martinek, T.J., Fonseca, A. (2020). Teaching Personal and Social Responsibility after school: A systematic review. Cuadernos de Psicología del Deporte. 20(2): 1-25. DOI: 10.6018/cpd.346851

Bessa et al., 2020 – Bessa, C., Hastie, P., Rosado, A., Mesquita, I. (2020). Differences between sport education and traditional teaching in developing students' engagement and

responsibility. *Journal of Physical Education and Sport*. 20(6): 3536-3545. DOI: 10.7752/jpes.2020.06477

Bloom, Smith, 1996 – Bloom, G.A., Smith, M.D. (1996). Hockey violence: A test of cultural spillover theory. Sociology of Sport Journal. 13(1): 65-77. DOI: 10.1123/ssj.13.1.65

Buckle, Walsh, 2013 – Buckle, M.E., Walsh, D.S. (2013). Teaching responsibility to gangaffiliated youths. *Journal of Physical Education, Recreation and Dance*. 84(2): 53-58. DOI: 10.1080/07303084.2013.757193

Buišić, Dordić, 2018 – *Buišić*, *S., Dordić*, *V.* (2018). The effectiveness of Hellison's Model of Personal and Social Responsibility in Physical Education teaching. *Physical Education and Sport*. 6(3): 663-676. DOI: 10.22190/FUPES171110060B

Carreres-Ponsoda et al., 2021 – Carreres-Ponsoda, F., Escartí, A., Jimenez-Olmedo, J.M., Cortell-Tormo, J.M. (2021). Effects of a Teaching Personal and Social Responsibility Model intervention in competitive youth sport. Frontiers in Psychology. 12: 1-12. DOI: 10.3389/fpsyg. 2021.624018

Cecchini et al., 2008 – Cecchini, J.A., Fernández, J., González, C., Arruza, J.A. (2008). Repercusiones del Programa Delfos de educación en valores a través del deporte en jóvenes escolares [Impact of the Delphos Programme on Education in Values through Sport on Young Schoolchildren]. Revista de Educación. 346: 167-186. [in Spanish]

Cecchini et al., 2007 – Cecchini, J.A., Montero, J., Alonso, A., Izquierdo, M., Contreras, O. (2007). Effects of personal and social responsibility on fair play in sports and self-control in schoolaged youths. European Journal of Sport Science. 7(4): 203-211. DOI: 10.1080/17461390701718497

Cecchini et al., 2003 – Cecchini, J.A., Montero, J., Peña, V. (2003). Repercusiones del programa de intervención para desarrollar la responsabilidad personal y social sobre los comportamientos de fair-play y el autocontrol [Impact of the intervention programme to develop personal and social responsibility on fair play behaviour and self-control]. Psicothema. 15(4): 631-637. [in Spanish]

Del Barrio et al., 2004 – *Del Barrio, V., Aluja, A., García, L.F.* (2004). Bryant's empathy index for children and adolescents: Psychometric properties in the Spanish language. *Psychological Reports.* 95(1): 257-262. DOI: 10.2466/pro.95.1.257-262

Del Barrio et al., 2001 – *Del Barrio, V., Moreno, C., López, R.* (2001). Evaluación de la agresión y la inestabilidad emocional en niños españoles: Su relación con la depresión [Evaluation of aggression and emotional instability in Spanish children: Their relationship with depression]. *Clínica y Salud.* 12(1): 33-50. [in Spanish]

Engels, Freund, 2020 – Engels, E.S., Freund, P.A. (2020). Effects of cooperative games on enjoyment in Physical Education-How to increase positive experiences in students? *PLOS ONE*. 15(12): 1-14. DOI: 10.1371/journal.pone.0243608

Escartí et al., 2006 – Escartí, A., Gutiérrez, M., Pascual, C., Marín, D., Martínez, C., Chacón, Y. (2006). Enseñando responsabilidad personal y social a un grupo de adolescentes de riesgo: Un estudio "observacional" [Teaching Personal and Social Responsibility to a Group of At-Risk Adolescents: An "Observacional Study"]. Revista de Educación. 341(3): 373-396. [in Spanish]

Escartí et al., 2010 – Escartí, A., Gutiérrez, M., Pascual, C., Llopis, R. (2010). Implementation of the Personal and Social Responsibility model to improve self-efficacy during Physical Education classes for Primary School children. International Journal of Psychology and Psychological Therapy. 10(3): 387-402.

Escartí et al., 2013 – Escartí, A., Gutiérrez, M., Pascual, C., Wright, P.M. (2013). Observación de las estrategias que emplean los profesores de Educación Física para enseñar la responsabilidad personal y social [Observation of strategies used by physical education teachers to teach personal and social responsibility]. Revista de Psicología del Deporte. 22(1): 159-166. [in Spanish]

Escartí et al., 2011 – Escartí, A., Gutiérrez, M., Pascual, C. (2011). Propiedades psicométricas de la versión española del Cuestionario de Responsabilidad Personal y Social en contextos de Educación Física [Psychometric properties of the Spanish version of the Questionnaire of Personal and Social Responsibility in Physical Education Contexts]. Revista de Psicología del Deporte. 20(1): 119-130. [in Spanish]

Escartí et al., 2012 – Escartí, A., Pascual, C., Gutiérrez, M., Marín, D., Martínez, M., Tarín, S. (2012). Applying the Teaching Personal and Social Responsibility Model (TPSR) in spanish school context: Lesson learned. Ágora para la Educación Física y el Deporte. 14(2): 178-196.

Escartí et al., 2005 – Escartí, A., Pascual, C., Gutiérrez, M. (2005). Responsabilidad personal y social a través de la educación física y el deporte [Personal and social responsibility through physical education and sport]. Barcelona: Graó. [in Spanish]

Fernández-Baena et al., 2011 – Fernández-Baena, F.J., Trianes, M.V., De la Morena, M.L., Escobar, M., Infante, L., Blanca, M.J. (2011). Psychometric properties of a questionnaire to asses daily peer violence in schools. Anales de Psicología. 27(1): 102-108.

Fernández-Berrocal et al., 2004 – Fernández-Berrocal, P., Extremera, N., Ramos, N. (2004). Validity and reliability of the spanish modified version of the Trait Meta-Mood Scale. *Psychological Reports*. 94: 751-755. DOI: 10.2466/pro.94.3.751-755

García, Musitu, 1999 – García, F., Musitu, G. (1999). Autoconcepto forma 5 [Self-concept form 5]. TEA Ediciones, S.A.U. [in Spanish]

García-García et al., 2020 – García-García, J., Manzano-Sánchez, D., Belando-Pedreño, N., Valero-Valenzuela, A. (2020). Personal and Social Responsibility Programme effects, prosocial behaviours, and physical activity levels in adolescents and their families. International Journal of Environmental Research and Public Health. 17(9): 1-14. DOI: 10.3390/ijerph17093184

Gordon, 2010 – Gordon, B. (2010). An examination of the Responsibility Model in a New Zealand Secondary School Physical Education program. Journal of Teaching in Physical Education. 27(2): 138-154. DOI: 10.1123/jtpe.29.1.21

Goudas et al., 1994 – Goudas, M., Biddle, S., Fox, K. (1994). Perceived locus of causality, goal orientations, and perceived competence in school Physical Education classes. British Journal of Educational Psychology. 64(3): 453-463. DOI: 10.1111/j.2044-8279.1994.tb01116.x

Grimminger-Seidensticker, Möhwald, 2020 – Grimminger-Seidensticker, E., Möhwald, A. (2020). Enhancing social cohesion in PE classes within an intercultural learning program: Results of a quasi-experimental intervention study. *Physical Education and Sport Pedagogy*. 25(3): 316-329. DOI: 10.1080/17408989.2020.1741532

Harter, 1985a – Harter, S. (1985a). Self-perception profile for children: Manual and questionnaires. University of Denver: Department of Psychology.

Harter, 1985b – Harter, S. (1985b). Social support scale for children: Manual and questionnaires. University of Denver: Department of Psychology.

Hayden et al., 2012 – Hayden, L.A., Baltzell, A., Kilty, K., McCarthy, J. (2012). Developing responsibility using physical activity: A case study of team support. Ágora para la Educación Física y el Deporte. 14(2): 264-281.

Hellison, 1978 – *Hellison, D.R.* (1978). Beyond Balls and Bats: Allienated (and Other) Youth in the Gym. AAHPER Publications.

Hellison, 1995 – *Hellison, D.R.* (1995). Teaching Responsibility through Physical Activity. 1ra ed. Human Kinetics Publishers.

Hellison, 2003 – *Hellison, D.R.* (2003). Teaching Responsibility through Physical Activity. 2da ed. Human Kinetics Publishers.

Hellison, 2011 – Hellison, D.R. (2011). Teaching Responsibility through Physical Activity. 3ra ed. Human Kinetics Publishers.

Hellison et al., 2000 – Hellison, D.R., Cutforth, N.J., Kallusky, J., Martinek, T.J., Parker, M., Stiehl, J. (2000). Youth Development and Physical Activity: Linking Universities and Communities. Human Kinetics Publishers.

Hellison, Walsh, 2002 – Hellison, D.R., Walsh, D. (2002). Responsibility-based youth programs evaluation: Investigating the investigations. Quest. 54(4): 292-307. DOI: 10.1080/00336297.2002.10491780

Hellison, Wright, 2003 – Hellison, D.R., Wright, P.M. (2003). Retention in an urban extended day program: A process-based assessment. Journal of Teaching in Physical Education. 22(4): 369-381. DOI: 10.1123/jtpe.22.4.369

Inderbitzen, Foster, 1992 – *Inderbitzen, H.M., Foster, S.L.* (1992). The Teenage Inventory of Social Skills: Development, reliability and validity. *Psychological Assessment.* 4(4): 451-459. DOI: 10.1037/1040-3590.4.4.451

Inglés et al., 2003 – *Inglés, C., Rosa, C., Méndez, A., Estévez, M., Hidalgo, F.* (2003). Evaluación de las habilidades sociales en Educación Secundaria: Revisión de cuestionarios, inventarios y escalas [Evaluation of Social Skills in Secondary Education: Review of Questionnaires, Inventories and Scales]. *Psicología Educativa*. 9(2): 71-88. [in Spanish]

Jung, Wright, 2012 – Jung, J., Wright, P.M. (2012). Application of Hellison's Responsibility Model in South Korea: A multiple case study of "at-risk" middle school students in Physical Education. Ágora para la Educación Física y el Deporte. 14(2): 140-160.

Kmet et al., 2004 – *Kmet, L.M., Cook, L.S., Lee, R.C.* (2004). Standard Quality Assessment Criteria for Evaluating Primary Research Papers from a Variety of Fields. Edmonton: Alberta Heritage Foundation for Medical Research. DOI: 10.7939/R37M04F16

Li et al., 2008 – Li, W., Wright, P.M., Rukavina, B.P., Pickering, M. (2008). Measuring students' perceptions of personal and social responsibility and the relationship to intrinsic motivation in urban Physical Education. *Journal of Teaching in Physical Education*. 27(2): 167-178. DOI: 10.1123/jtpe.27.2.167

López et al., 2012 – López, V., Bilbao, M., Rodríguez, J.I. (2012). La sala de clases sí importa: Incidencia del clima de aula sobre la percepción de intimidación y victimización entre escolares [The classroom does matter: Incidence of classroom climate on the perception of bullying and victimization among schoolchildren]. *Universitas Psychologica*. 11(1): 91-101. DOI: 10.11144/ Javeriana.upsy11-1.scii [in Spanish]

Manzano-Sánchez, Valero-Valenzuela, 2019a – Manzano-Sánchez, D., Valero-Valenzuela, A. (2019a). El Modelo de Responsabilidad Personal y Social (MRPS) en las diferentes materias de la Educación Primaria y su repercusión en la responsabilidad, autonomía, motivación, autoconcepto y clima social [The personal and social responsibility model (TPSR) in the different subjects of primary education and its impact on responsibility, autonomy, motivation, self-concept and social climate]. Journal of Sport and Health Research. 11(3): 273-288. [in Spanish]

Manzano-Sánchez, Valero-Valenzuela, 2019b – Manzano-Sánchez, D., Valero-Valenzuela, A. (2019b). Implementation of a model-based programme to promote personal and social responsibility and its effects on motivation, prosocial behaviours, violence and classroom climate in Primary and Secondary Education. *International Journal of Environmental Research and Public Health*. 16(21), 1-17. DOI: 10.3390/ijerph16214259

Manzano-Sánchez et al., 2021 – Manzano-Sánchez, D., González-Víllora, S., Valero-Valenzuela, A. (2021). Application of the Teaching Personal and Social Responsibility Model in the Secondary Education curriculum: Implications in psychological and contextual variables in students. International Journal Environmental Research and Public Health. 18(6): 2-14. DOI: 10.3390/ijerph18063047

Manzano-Sánchez et al., 2020 – Manzano-Sánchez, D., Merino-Barrero, J.A., Sánchez-Alcaraz, B.J., Valero-Valenzuela, A. (2020). The Model of Personal and Social Responsibility from Physical Education to general education: Theoretical-practical guide for its application in the school context. Wanceulen Editorial Deportiva, S.L.

Manzano-Sánchez et al., 2019 – Manzano-Sánchez, D., Valero-Valenzuela, A., Conde-Sánchez, A., Chen, M.Y. (2019). Applying the Personal and Social Responsibility Model-based program: Differences according to gender between basic psychological needs, motivation, life satisfaction and intention to be physically active. *International Journal of Environmental Research and Public Health*. 16(13): 1-11. DOI: 10.3390/ijerph16132326

Marín, 2011 – Marín, D. (2011). Adaptación e implementación de un programa de intervención en la escuela a través de la Educación Física: El Programa de Responsabilidad Personal y Social [Adaptation and implementation of a programme of intervention in schools through physical education: the Personal and Social Responsibility Programme]. Universidad de Valencia. [in Spanish]

Martín-Albo et al., 2006 – Martín-Albo, J., Núnez, J.L., Navarro, J.G., González, V.M. (2006). Validación de la versión española de la Escala Multidimensional de Orientaciones a la Deportividad [Validation of the Spanish version of the Multidimensional Scale of Guidelines to Sport]. Revista de Psicología del Deporte. 15(1): 9-22. [in Spanish]

Martínez, Gómez-Mármol, 2017 – Martínez, J.M., Gómez-Mármol, A. (2017). Implementación del Modelo de Responsabilidad Personal y Social en las clases de Educación Física en Educación Secundaria: Efectos sobre la responsabilidad, diversión y participación [Implementation of the Personal and Social Responsibility Model in Physical Education Classes in Secondary Education: Effects on Responsibility, Fun and Participation]. ATHLOS. Revista Internacional de Ciencias Sociales de la Actividad Física, el Juego y el Deporte. 12(12): 1-21. [in Spanish]

Martínez-Gómez et al., 2009 – Martínez-Gómez, D., Martínez-De Haro, V., Del Campo, J., Zapatera, B., Welk, G.J., Villagra, A., Marcos, A., Veiga, O.L. (2009). Validez de cuatro cuestionarios para valorar la actividad física en adolescentes españoles [Validity of four questionnaires to assess physical activity in Spanish adolescents]. Gaceta Sanitaria. 23(6): 512-517. DOI: 10.1016/j.gaceta.2009.02.013 [in Spanish]

Medina, Reverte, 2019 – Medina, J.A., Reverte, M.J. (2019). Incidencia de la práctica de actividad física y deportiva como reguladora de la violencia escolar [Incidence of physical activity and sports as a regulator of school violence]. Retos. Nuevas Tendencias en Educación Física, Deporte y Recreación. 35: 54-60. DOI: 10.47197/retos.voi35.64359 [in Spanish]

Merino-Barrero et al., 2020 – Merino-Barrero, J.A., Valero-Valenzuela, A., Belando, N., Fernández-Río, J. (2020). Impact of a sustained TPSR program on students' responsibility, motivation, sportsmanship, and intention to be physically active. Journal of Teaching in Physical Education. 39(2): 247-255. DOI: 10.1123/jtpe.2019-0022

Metzler, 2011 – Metzler, M.W. (2011). Instructional models for Physical Education (3rd ed.). Routledge. DOI: 10.4324/9781315213521

Moher et al., 2015 – Moher, D., Shamseer, L., Clarke, M., Ghersi, D., Liberati, A., Petticrew, M., Shekelles, P., Stewart, L.A., PRISMA Group (2015). Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015 statement. Systematic Reviews. 4(1): 1-9. DOI: 10.1186/2046-4053-4-1

Montero, León, 2007 – Montero, I., León, O.A. (2007). Guide for naming research studies in psychology. *International Journal of Clinical and Health Psychology*. 7(3): 847-864.

Moreno-Murcia et al., 2008 – Moreno-Murcia, J.A., González-Cutre, D., Chillón, M., Parra, N. (2008). Adaptación a la Educación Física de la Escala de las Necesidades Psicológicas Básicas en el Ejercicio [Adaptation to Physical Education of the Scale of Basic Psychological Needs in Exercise]. Revista Mexicana de Psicología. 25(2): 295-303. [in Spanish]

Moreno-Murcia et al., 2007 – Moreno-Murcia, J.A., Moreno, R., Cervelló, E. (2007). El autoconcepto físico como predictor de la intención de ser físicamente activo [Physical self-concept as a predictor of intent to be physically active]. *Psicología y Salud*. 17(2): 261-267. DOI: 10.25009/pys.v17i2.710 [in Spanish]

Moreno-Murcia et al., 2011 – Moreno-Murcia, J.A., Marzo, J.C., Martínez-Galindo, C., Conte, L. (2011). Validación de la Escala de "Satisfacción de las Necesidades Psicológicas Básicas" y del Cuestionario de la "Regulación Conductual en el Deporte" al contexto español [Validation of the Scale of "Satisfaction of Basic Psychological Needs" and the Questionnaire of "Behavioral Regulation in Sport" to the Spanish context]. RICYDE. Revista Internacional de Ciencias del Deporte. 7(26): 355-369. DOI: 10.5232/ricyde2011.02602 [in Spanish]

Nuñez et al., 2005 – Núñez, J.L., Martí-Albo, J., Navarro, J.G. (2005). Validación de la versión española de la Échelle de Motivation en Éducation [Validation of the English version of the Échelle de Motivation en Éducation]. *Psicothema*. 17(2): 344-349. [in Spanish]

Page et al., 2021 – *Page et al.* (2021). The PRISMA 2020 statement: An updated guideline for reporting systematic reviews. *International Journal of Surgery*. 88: 1-9. DOI: 10.1136/bmj.n71

Pascual et al., 2011 – Pascual, C., Escartí, A., Llopis, R., Gutiérrez, M., Marín, D., Wright, P.M. (2011). Implementation fidelity of a program designed to promote personal and social responsibility through Physical Education: A comparative case study. Research Quarterly for Exercise and Sport. 82(3): 499-511. DOI: 10.1080/02701367.2011.10599783

Patton, 2002 – Patton, M.Q. (2002). Qualitative Research and Evaluation Methods. SAGE Publications.

Pérez et al., 2009 – Pérez. A., Ramos. G., López, E. (2009). Diseño y análisis de una escala para la valoración de la variable clima social aula en alumnos de Educación Primaria y Secundaria [Design and analysis of a scale for the assessment of the classroom social climate variable in primary and secondary education students]. Revista de Educación. 350: 221-252. [in Spanish]

Pérez-Albéniz et al., 2003 – Pérez-Albéniz, A., De Paúl, J., Etxeberría, J., Paz, M., Torres, E. (2003). Adaptación del Interpersonal Reactivity Index (IRI) al español [Adaptation of the Interpersonal Reactivity Index (IRI) to Spanish]. *Psicothema*. 15(2): 267-272. [in Spanish]

Pérez-Ordás et al., 2020 – Pérez-Ordás, R., Pozo, P., Grao-Cruces, A. (2020). Effects on aggression and social responsibility by Teaching Personal and Social Responsibility during Physical Education. Journal of Physical Education and Sport. 20(4): 1832-1838. DOI: 10.7752/jpes.2020. 04248

Pozo et al., 2022 – Pozo, P., Grao-Cruces, A., Ayllon-Negrillo, E., Pérez-Ordás, R. (2022). Effects on empathy and emotional intelligence of a Teaching Personal and Social Responsibility programme in Physical Education. Retos. Nuevas Tendencias en Educación Física, Deportes y Recreación. 44: 504-514. DOI: 10.47197/retos.v44io.90760

Pozo et al., 2018 – Pozo, P., Grao-Cruces, A., Pérez-Ordás, R. (2018). Teaching Personal and Social Responsibility Model-based programmes in Physical Education: A systematic review. European Physical Education Review. 24(1): 56-75. DOI: 10.1177/1356336X16664749

Prat et al., 2019 – Prat, Q., Camerino, O., Castañer, M., Andueza, J., Puigarnau, S. (2019). El Modelo Pedagógico de Responsabilidad Personal y Social como motor de innovación en Educación Física [The Pedagogical Model of Personal and Social Responsibility as a Driver of Innovation in Physical Education]. Apunts. Educación Física y Deportes. 136: 83-99. DOI: 10.5672/apunts.2014-0983.es.(2019/2).136.06 [in Spanish]

Rosenshine, 1983 – *Rosenshine, B.* (1983). Teaching functions in instructional programs. *The Elementary School Journal*. 83(4): 335-351. DOI: 10.1086/461321

Ruiz et al., 2015 – Ruiz, J.V., Ponce de León, A., Sanz, E., Valdemoros, M.A. (2015). La educación en valores desde el deporte: Investigación sobre la aplicación de un programa integral en deportes de equipo [Values education from sport: Research on the implementation of a comprehensive programme in team sports]. Retos. Nuevas Tendencias en Educación Física, Deporte y Recreación. 28: 270-275. DOI: 10.47197/retos.voi28.35586 [in Spanish]

Ryan, Connell, 1989 – Ryan, R.M., Connell, J.P. (1989). Perceived locus of causality and internalization: Examining reasons for acting in two domains. *Journal of Personality and Social Psychology*. 57(5): 749-761. DOI: 10.1037/0022-3514.57.5.749

Sánchez-Alcaraz et al., 2019 – Sánchez-Alcaraz, B., Gómez-Mármol, A., Valero-Valenzuela, A., De la Cruz-Sánchez, E., Belando, N., Moreno-Murcia, J.A. (2019). Achieving greater sportsmanship and decreasing school violence through responsibility and sport practice. Journal of Sport Psychology. 28(2): 151-160.

Sánchez-Alcaraz et al., 2020 – Sánchez-Alcaraz, B.J., Courel, J., Sánchez, C., Valero, A., Gómez, A. (2020). El Modelo de Responsabilidad Personal y Social a través del deporte: Revisión bibliográfica [The Model of Personal and Social Responsibility through Sport: Literature Review]. Retos. Nuevas Tendencias en Educación Física, Deportes y Recreación. 37: 755-762. DOI: 10.47197/retos.v37i37.67890 [in Spanish]

Sánchez-Alcaraz et al., 2014 – Sánchez-Alcaraz, B.J., Gómez-Mármol, A., Valero, A., De la Cruz, E., Díaz, A. (2014). The development of a sport-based personal and social responsibility intervention on daily violence in schools. American Journal of Sport Sciences and Medicine. 2(6): 13-17. DOI: 10.12691/ajssm-2-6A-4

Sánchez-Alcaraz et al., 2013 – Sánchez-Alcaraz, B.J., Gómez-Mármol, A., Valero, A., De La Cruz, E. (2013). Aplicación de un programa para la mejora de la responsabilidad personal y social en las clases de Educación Física. Motricidad. European Journal of Human Movement. 30: 121-129.

Sánchez-Alcaraz et al., 2018 – Sánchez-Alcaraz, B.J., Gómez-Mármol, A., Valero-Valenzuela, A., Esteban, R., González-Villora, R. (2018). Diseño y validación de un instrumento de observación de las conductas que alteran la convivencia en Educación Física [Design and validation of an instrument for observing behaviors that alter coexistence in physical education]. Estudios sobre Educación. 35: 453-472. DOI: 10.15581/004.35.453-472 [in Spanish]

Sánchez-Alcaraz et al., 2021 – Sánchez-Alcaraz, B.J., Gómez-Mármol, A., Valero-Valenzuela, A., Courel-Ibáñez, J. (2021). Implementation of the Teaching Personal and Social Responsibility Model to reduce violent and disruptive behaviors in adolescents through physical activity: A quantitative approach. Journal of Teaching in Physical Education. 40(2): 238-244. DOI: 10.1123/jtpe.2019-0126

Sánchez-Oliva et al., 2012 – Sánchez-Oliva, D., Amado. D., Leo, F.M., González-Ponce, I., García-Calvo, T. (2012). Desarrollo de un cuestionario para valorar la motivación en Educación Física [Development of a questionnaire to assess motivation in Physical Education]. Revista Iberoamericana de Psicología del Ejercicio y el Deporte. 7(2): 227-250. [in Spanish]

Sánchez-Teruel, Robles-Bello, 2015 – Sánchez-Teruel, D., Robles-Bello, M.A. (2015). Escala de Resiliencia 14 ítems (RS-14): Propiedades psicométricas de la versión en español [Resilience Scale 14 items (RS-14): Psychometric properties of the Spanish versión]. RIDEP. Revista Iberoamericana de Diagnóstico y Evaluación Psicológica. 2(40): 103-113. [in Spanish]

Serra et al., 2003 – Serra, L., Aranceta, J., Rodríguez-Santos, F. (2003). Crecimiento y desarrollo. Estudio enKid [Growth and development. Study enKid]. Masson. [in Spanish]

Tarín-Moreno et al., 2013 – *Tarín-Moreno*, *S.*, *Pascual*, *C.*, *Escartí*, *A.* (2013). La formación en el proceso de implementación del Programa de Responsabilidad Personal y Social: Un estudio de casos [Training in the Implementation Process of the Personal and Social Responsibility Program: A Case Study]. *Revista Fuentes*. 14: 125-146. [in Spanish]

Trianes et al., 2006 – Trianes, M.V., Blanca, M.J., De la Morena, L., Infante, L., Raya, S. (2006). A questionnaire to assess school social climate. *Psicothema*. 18(2): 272-277.

Van der Mars, 2020 – Van der Mars, H. (2020). Principled, modest, and giving... Don Hellison's impact through the eyes of his peers. *Journal of Teaching in Physical Education*. 39(3): 321-330. DOI: 10.1123/jtpe.2019-0221

Ward et al., 2012 – Ward. S., Parker, M., Henschel-Pellett, H., Pérez, M. (2012). Forecasting the storm: Students perspectives throughout a Teaching Personal and Social Responsibility (TPSR)-based positive youth development program. Ágora para la Educación Física y el Deporte. 14(2): 230-247.

Wright et al., 2010 – Wright, P.M., Li, W., Ding, S., Pickering, M. (2010). Integrating a Personal and Social Responsibility Program into a Wellness course for urban high school students: Assessing implementation and educational outcomes. Sport, Education and Society. 15(3): 277-298. DOI: 10.1080/13573322.2010.493309

Wright, Craig, 2011 – Wright, P.M., Craig, M.W. (2011). Tool for Assessing Responsibility-based Education (TARE): Instrument development, content validity, and inter-rater reliability. Measurement in Physical Education and Exercise Science. 15(3): 204-219. DOI: 10.1080/1091367X.2011.590084

Wright, Walsh, 2020 – Wright, P.M., Walsh, D. (2020). Don Hellison's life and legacy: Introduction to the special issue. *Journal of Teaching in Physical Education*. 39(3): 286-288. DOI: 10.1123/jtpe.2020-0024