

APPLICATION FOR ETHICAL APPROVAL

In order for research to result in benefit and minimise risk of harm, it must be conducted ethically. A researcher may not be covered by the University's insurance if ethical approval has not been obtained prior to commencement.

The University follows the OECD Frascati manual definition of **research activity**: “creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications”. As such this covers activities undertaken by members of staff, postgraduate research students, and both taught postgraduate and undergraduate students working on dissertations/projects.

The individual undertaking the research activity is known as the “principal researcher”.

Ethical approval is not required for routine audits, performance reviews, quality assurance studies, testing within normal educational requirements, and literary or artistic criticism.

Please read the notes for guidance before completing ALL sections of the form.

This form must be completed and approved prior to undertaking any research activity. Please see Checklist for details of process for different categories of application.

Delete the Guidance Notes at the end of the form BEFORE submitting your application

SECTION A: About You (Principal Researcher)

Full Name:		Khush Bakht Shariq			
Tick all boxes which apply:		Member of staff:	☐	Honorary research fellow:	☐
Undergraduate Student	Taught Postgraduate Student	Postgraduate Research Student			

Faculty/School/Centre:	Centre of Childhood, Youth and Education
Campus:	Swansea
E-mail address:	2110107@student.uwtsd.ac.uk
Contact Telephone Number:	No need to fill
For students:	
Student Number:	2110107
Programme of Study:	BA Early Years Education and Care: Early Years Practitioner Status (2 Years)
Director of Studies/Supervisor:	Jessica Pitman

SECTION B: Approval for Research Activity

Has the research activity received approval in principle? (please check the Guidance Notes as to the appropriate approval process for different levels of research by different categories of individual)		Yes
		Date
If Yes, please indicate source of approval (and date where known): Approval in principle must be obtained from the relevant source prior to seeking ethical approval	Research Degrees Committee	
	Faculty Research Committee	
	Other (write in)	Tutor- Jessica Pitman

SECTION C: Internal and External Ethical Guidance Materials

Please list the core ethical guidance documents that have been referred to during the completion of this form (including any discipline-specific codes of research ethics, and also any specific ethical guidance relating to the proposed methodology). Please tick to confirm that your research proposal adheres to these codes and guidelines.	
Code of Ethics.pdf BERA-Ethical-Guidelines-for-Educational-Research_4thEdn_2018.pdf ERIC-compendium-Ethical-Guidance-Harm-and-benefits-section-only.pdf UWTSD research ethics and code of practice.pdf UWTSD Research Data Management Policy	Yes
BERA Ethical Guidelines for Educational Research 2018	Yes

SECTION D: External Collaborative Research Activity

Does the research activity involve collaborators outside of the University?	YES		NO	X
If Yes, please provide the name of the external organisation and name and contact details for the main contact person and confirmation this person has consented to their personal data being shared.as part of this collaboration.				
Institution				
Contact person name				
Contact person e-mail address				

Has this individual consented to sharing their details on this form?		YES		NO	
Are you in receipt of a KESS scholarship?		YES		NO	
Is your research externally funded		YES		NO	
Are you specifically employed to undertake this research in either a paid or voluntary capacity?	Voluntary	YES		NO	
	Employed	YES		NO	
Is the research being undertaken within an existing UWTSD Athrofa Professional Learning Partnership (APLP)	If YES then the permission question below does not need to be answered.	YES		NO	
Permission to undertake the research has been provided by the partner organisation	(If YES attach copy) If NO the application cannot continue	YES		NO	

Where research activity is carried out in collaboration with an external organisation

Does this organisation have its own ethics approval system?	YES		NO	X
If Yes, please attach a copy of any final approval (or interim approval) from the organisation				

SECTION E: Details of Research Activity

Indicative title:	Exploring the effects of outdoor play on young children with autism spectrum		
Proposed start date:	January 15 th , 2022	Proposed end date:	April 1st, 2022
Introduction to the Research (maximum 300 words) Ensure that you write for a <u>Non-Specialist Audience</u> when outlining your response to the three points below: • <i>Purpose of Research Activity</i> • <i>Proposed Research Question</i> • <i>Aims of Research Activity</i> • <i>Objectives of Research Activity</i> Demonstrate, briefly, how <u>Existing Research</u> has informed the proposed activity and explain • <i>What the research activity will add to the body of knowledge</i> • <i>How it addresses an area of importance.</i>			
Purpose of Research Activity			

Froebel recognized the importance of outdoor play and emphasized the importance of natural experiences in young children. According to him, outdoor play allows children with whole-bodied movements, and rich sensory experiences, and improves curiosity and engagement process (Froebel Trust, 2017). Piaget and Vygotsky's theories emphasized child development through play. Playing outdoors encourages children to become independent, creative, and aware of their surroundings. Outdoor play enhances the cognitive development of a child and creates socio-cultural awareness (Nicolopoulou, 1993). Furthermore, the importance of outdoor play cannot be denied for children with autism. Children with Autism benefit from outdoor play as it promotes communication, cognition, balance, and coordination and decreases autistic sensitivity. Natural experiences reduce stress levels, improve gross motor skills, and improve participation in group activities. Children with autism are usually kept indoors due to several reasons, outdoor activities will increase opportunities in the outdoor world (Chang and Chang, 2018). Hence, based on these observations the research activity proposed in this form aims to identify the potential benefits of outdoor play in young children with autism. The observation-based in this research will focus on the social and emotional well-being, communication skills and physical development of a child. The proposed research method is observation based which allows to closely monitor the children with special education needs during outdoor play and study the effect on their wellbeing.

(this box should expand as you type)

Research Question

1. How outdoors play have a positive influence on social, physical, emotional and cognitive development of young children with autism spectrum?

Aims of Research Activity

To observe young children with autism spectrum in an outdoor environment during free play. Analyse the effects it has on physical development and language and communication skills of children with special educational needs.

Objectives of Research Activity

Undertaking the observation of outdoor play experiences in a nursery setting. The nursery has two sessions mornings and afternoons, observations are recorded in a form of two sets. Observations recorded would analyse to study the effect of outdoor play on children with special educational needs.

(this box should expand as you type)

Proposed methods (maximum 600 words)

Provide a brief summary of all the methods that **may** be used in the research activity, making it clear what specific techniques may be used. If methods other than those listed in this section are deemed appropriate later, additional ethical approval for those methods will be needed.

Data for the study will be collected in a large nursery setting based within a primary school in Cardiff. The Preschool sessions were held Monday to Friday in the mornings and afternoon half-day blocks, each session is two and a half hours. The school is an inclusive school. Each session had 30 children out of which 5 children were identified with special educational needs. The study consists of 10 children all with Special Educational Needs, five from the morning session and five from the afternoon session. The

age of participating pupils is between 3 to 4 years. A typical day starts with a small group activity, free playtime, and then snack time. The study will be conducted by a teaching assistant who has been teaching for 3 years and studying towards an undergraduate degree in early childhood studies. This study aims to analyze the positive effects of outdoor play on children with special educational needs. The ten children with SEN will be assessed and observed for their physical, social, emotional, and cognitive development for a week playing freely in an outdoor environment. The research methodology will be based on observation of a common method of gathering data in early years settings. After 8 weeks duration, children would be observed again to study the effects of outdoor play. Some of the major child psychologists were able to formulate their theories based on observation-based research methods such as Piaget and Bruner. The methods of observation used are diary methods which contain notable observational material of noteworthy events and the target child method used to measure the language and social skills. These methods are effective for this research due to the nature of the participants, it allows them to act freely and independently (Research Methods in Early Childhood, 2015). Jarvis, Newman, Holland, and George (2012) state that observation-based research is simple, useful, practical, and natural research methodology in everyday life. It is especially a most convenient method for research based on young children, children and people with speech and language difficulties, shy and non-cooperative people, and children with autism spectrum. Ethical conduct is the responsibility of the researcher before starting a research project, it is essential to consider the ethical issues and plan accordingly. Informed consent is required from the setting and participants. When working with children consent is required from their parents and an assent is required from the participating children. It is the right of the participants to be informed about the data collected and they also have a right to withdraw at any point during the research. Informing the guardians about the data protection and where it would be used. In this case, the children with SEN have speech and language difficulties. The children will be informed according to their understanding and consent will be taken by showing happy and sad faces to pick one according to their wish. According to Mukherji and Deborah, in their book called Research Methods in Early Childhood (2015), the participants must be informed about the purpose of the research, why they are taking part in it, how data would be recorded and stored and whom it will be shared and whether they have a right to withdraw. When working with young children the research must be stopped if the child is showing any signs of discomfort. Before starting the research all these guidelines were followed.

Location of research activity

Identify all locations where research activity will take place.

The research activity will be observed in a nursery setting based within a primary school in Cardiff. The research study will be observed in an outdoor environment during free play.

Research activity outside of the UK

If research activity will take place overseas, you are responsible for ensuring that local ethical considerations are complied with and that the relevant permissions are sought. Specify any local guidelines (e.g. from local professional associations/learned societies/universities) that exist and whether these involve any ethical stipulations beyond those usual in the UK (provide details of any licenses or permissions required). Also specify whether there are any specific

ethical issues raised by the local context in which the research activity is taking place, for example, particular cultural and/or legal sensitivities or vulnerabilities of participants.		
The research activity will not be based outside of the UK.		
<i>(this box should expand as you type)</i>		
Use of documentation not in the public domain: Are any documents <u>NOT</u> publicly available?	NO	X
	YES	
If Yes, please provide details here of how you will gain access to specific documentation that is not in the public domain and that this is in accordance with prevailing data protection law of the country in question and England and Wales.		
<i>(this box should expand as you type)</i>		

SECTION F: Scope of Research Activity

Will the research activity include:	YES	NO
Use of a questionnaire or similar research instrument?		X
Use of interviews?		X
Use of diaries?	X	
Participant observation with their knowledge?	X	
Participant observation without their knowledge?		X
Use of video or audio recording?		X
Access to personal or confidential information without the participants' specific consent?		X
Administration of any questions, test stimuli, presentation that may be experienced as physically, mentally or emotionally harmful / offensive?		X
Performance of any acts which may cause embarrassment or affect self-esteem?		X
Investigation of participants involved in illegal activities?		X
Use of procedures that involve deception?		X
Administration of any substance, agent or placebo?		X
Working with live vertebrate animals?		X

Other primary data collection methods, please explain in this box For example, 'focus groups'. Please indicate the type of data collection method(s) in this box and tick the accompany box.		
Details of any other primary data collection method: (this box should expand as you type)		

If NO to every question, then the research activity is (ethically) low risk and **may** be exempt from **some** of the following sections (please refer to Guidance Notes).

If YES to any question, then no research activity should be undertaken until full ethical approval has been obtained.

SECTION G: Intended Participants

Who are the intended participants:	YES	NO
Students or staff at the University?	X	
Adults (over the age of 18 and competent to give consent)?	X	
Vulnerable adults?		X
Children and Young People under the age of 18? (Consent from Parent, Carer or Guardian will be required)	X	
Prisoners?		X
Young offenders?		X
Those who could be considered to have a particularly dependent relationship with the investigator or a gatekeeper?		X
People engaged in illegal activities?		X
Others (please identify specifically any group who may be unable to give consent) please indicate here and tick the appropriate box.		X
Other – please indicate here: (this box should expand as you type)		

Participant numbers and source Provide an estimate of the expected number of participants. How will you identify participants and how will they be recruited? =	
How many participants are expected?	Practitioners over 18- 1-5 individual

	Children 3-4 years old with autism spectrum 10 children <i>(this box should expand as you type)</i>
Who will the participants be?	Practitioners over 18 Children 3-4 years old <i>(this box should expand as you type)</i>
How will you identify the participants?	The settings have been notified and have agreed to take part in the research. The researcher is one of the teaching members of the staff and already aware of the intended participants. <i>(this box should expand as you type)</i>

Information for participants:	YES	NO	N/A
Will you describe the main research procedures to participants in advance, so that they are informed about what to expect?	X		
Will you tell participants that their participation is voluntary?	X		
Will you obtain written consent for participation?	X		
Will you explain to participants that refusal to participate in the research will not affect their treatment or education (if relevant)?	X		
If the research is observational, will you ask participants for their consent to being observed?	X		
Will you tell participants that they may withdraw from the research at any time and for any reason?	X		
With questionnaires, will you give participants the option of omitting questions they do not want to answer?	X		
Will you tell participants that their data will be treated with full confidentiality and that, if published, it will not be identifiable as theirs?	X		
Will you debrief participants at the end of their participation, in a way appropriate to the type of research undertaken?	X		
If NO to any of above questions, please give an explanation			
 <i>(this box should expand as you type)</i>			

Information for participants:	YES	NO	N/A
Will participants be paid?		X	

Is specialist electrical or other equipment to be used with participants?		X	
Are there any financial or other interests to the investigator or University arising from this study?		X	
Will the research activity involve deliberately misleading participants in any way, or the partial or full concealment of the specific study aims?		X	
If YES to any question, please provide full details			
<i>(this box should expand as you type)</i>			

SECTION H: Anticipated Risks

Outline any anticipated risks that may adversely affect any of the participants, the researchers and/or the University, and the steps that will be taken to address them.		
If you have completed a full risk assessment (for example as required by a laboratory, or external research collaborator) you may append that to this form.		
Full risk assessment completed and appended?	Yes	X
	No	
Risks to participants For example: emotional distress, financial disclosure, physical harm, transfer of personal data, sensitive organisational information		
Risk to Participant: The participant are young children observing them could cause emotional stress.	<i>How will you mitigate the Risk to Participant</i> The researcher works within the setting and children are familiar with the researcher. It will have a positive effect on children and they will be more comfortable in outdoor environment.	
The observation notes taken could be lost.	The notes will be kept safe in university's safe storage with passwords.	
Autistic children playing in an outdoor environment would have some risk involved with physical harm.	Children would be supervised by an adult all the time and appropriate activities will be set up to minimize the risks involved.	

<i>(this box should expand as you type)</i>	
If research activity may include sensitive, embarrassing or upsetting topics (e.g. sexual activity, drug use) or issues likely to disclose information requiring further action (e.g. criminal activity), give details of the procedures to deal with these issues, including any support/advice (e.g. helpline numbers) to be offered to participants. Note that where applicable, consent procedures should make it clear that if something potentially or actually illegal is discovered in the course of a project, it may need to be disclosed to the proper authorities	
<i>(this box should expand as you type)</i>	
Risks to investigator For example: personal safety, physical harm, emotional distress, risk of accusation of harm/impropriety, conflict of interest	
Risk to Investigator: Working with young children specially with special education needs could raise the issue of false accusation and misunderstanding in regard to health and safety of children. Researcher may observe violent or aggressive behaviour in children. Autistic children emotionally sensitive and anything could trigger the child. .	The researcher will follow the health and safeguarding rules. The researcher will also inform the setting and parents about the activities performed and will hold a valid enhanced DBS certificate. The researcher will get most information about the participating children and will immediately stop the research if any signs of discomfort are seen in participants.
<i>(this box should expand as you type)</i>	
University/institutional risks	

For example: adverse publicity, financial loss, data protection	
Risk to University: There is always a risk of adverse publicity if the researcher fails. There would be a risk to university, if the researcher does not maintain the confidentiality clause. <i>(this box should expand as you type)</i>	How will you mitigate the Risk to University: The researcher would maintain the confidentiality. Researcher will be aware of the setting and university code of practice to avoid any unpleasant situation. The data would be stored and only accessible to authorized person.

Disclosure and Barring Service			
If the research activity involves children or vulnerable adults, a Disclosure and Barring Service (DBS) certificate must be obtained before any contact with such participants.	YES	NO	N/A
Does your research require you to hold a current DBS Certificate?	X		

SECTION I: Feedback, Consent and Confidentiality

Feedback What de-briefing and feedback will be provided to participants, how will this be done and when? The findings of this research will be shared with the participants, tutor of the researcher, parents of the participants, participating staff and children. The parents would be informed about the progress of the research and would be asked for their feedback after the research is completed. <i>(this box should expand as you type)</i>
Informed consent Describe the arrangements to inform potential participants, before providing consent, of what is involved in participating. Describe the arrangements for participants to provide full consent before data collection begins. If gaining consent in this way is inappropriate, explain how consent will be obtained and recorded in accordance with prevailing data protection legislation. The parent will be notified about the research project by a written letter. They will be informed about the purpose of the research, the aims and objectives of the research, how it will be conducted, their participation is voluntary, how their data will be used and stored, and they can withdraw their consent at any point. A written consent form will be sent to the parents to sign. In this research, the children are young to give their consent. Therefore, an ascent will be asked from children and any signs of discomfort in children will immediately stop the research.

Also, the data will be protected according to GDPR regulations.

(this box should expand as you type)

Confidentiality / Anonymity

Set out how anonymity of participants and confidentiality will be ensured in any outputs. If anonymity is not being offered, explain why this is the case.

This research is only used for academic purposes and the data will be only accessible to the participants and the tutor of the researcher. The identities of the participants and educational institution will be kept anonymous. According to BERA guidelines, the anonymity and confidentiality of the data will be compromised only if the participants are at risk, and it is in the best interest of the participants.

(this box should expand as you type)

SECTION J: Data Protection and Storage

In completing this section refer to the University's Research Data Management Policy and the extensive resources on the University's Research Data Management web pages (<http://uwtsd.ac.uk/library/research-data-management/>).

Does the research activity involve personal data (as defined by the General Data Protection Regulation 2016 "GDPR" and the Data Protection Act 2018 "DPA")?	YES	NO
"Personal data" means any information relating to an identified or identifiable natural person ('data subject'). An identifiable natural person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person.	X	☐
If YES, provide a description of the data and explain why this data needs to be collected:		
The film and voice recordings collected could be used to identify individuals recorded.		
<i>(this box should expand as you type)</i>		
Does it involve special category data (as defined by the GDPR)?	YES	NO
"Special category data" means sensitive personal data consisting of information as to the data subjects' – (a) racial or ethnic origin, (b) political opinions, (c) religious beliefs or other beliefs of a similar nature, (d) membership of a trade union (within the meaning of the Trade Union and Labour Relations (Consolidation) Act 1992), (e) physical or mental health or condition, (f) sexual life, (g) genetics, (h) biometric data (as used for ID purposes),	☐	X

If YES, provide a description of the special category data and explain why this data needs to be collected:

(this box should expand as you type)

	YES	NO
Will the research activity involve storing personal data and/or special category data on one of the following:		
Manual files (i.e. in paper form)?	X	
University computers?	X	
Private company computers?	X	
Home or other personal computers?	X	
Laptop computers/ CDs/ Portable disk-drives/ memory sticks?	X	
“Cloud” storage or websites?		X
Other – specify:		

For all stored data, explain the measures in place to ensure the security of the data collected, data confidentiality, including details of password protection, encryption, anonymisation and pseudonymisation:

The data will be kept confidential, and all the participants will be informed prior to the research about their Data protection Rights as mentioned in the UWTSD Research Ethics and Code of Practice (2020). The participants will be informed with whom data would be shared and the purpose it will be used for. The data in the form of papers will be stored in the university’s data storage and digital data will be stored in the university’s digital archive with all the security measures and passwords. It will allow access to authorized persons only.

All Data Storage

Will the research activity involve any of the following activities:	YES	NO
Electronic transfer of data in any form?		X
Sharing of data with others at the University?	X	
Sharing of data with other organisations?		X
Export of data outside the European Union or importing of data from outside the UK?		X
Use of personal addresses, postcodes, faxes, emails or telephone numbers?		X
Publication of data that might allow identification of individuals?		X

Use of data management system?		X
Data archiving?		X
If YES to any question, please provide full details, explaining how this will be conducted in accordance with the GDPR and DPA (and/or any international equivalent):		
The data will be shared with the tutor of researcher. All the participants will be informed about the sharing of data with the designated person, and it would be stored for up to 5 years in university data storage according to GDPR regulations.		
List all who will have access to the data generated by the research activity:		
The researcher Khush Bakht Shariq named in this form and her tutor Jessica Pitman <i>(this box should expand as you type)</i>		
List who will have control of, and act as custodian(s) for, data generated by the research activity:		
The researcher Khush Bakht Shariq and the tutor Jessica Pitman. <i>(this box should expand as you type)</i>		
Give details of data storage arrangements, including security measures in place to protect the data, where data will be stored, how long for, and in what form. Will data be archived – if so how and if not why not.		
According to GDPR guidance, the university will store data for up to five years. The physical documents would be kept in the university's data archive and digital data will be stored in university data storage. To protect the digital data security software's have been installed and no unauthorize person would be allowed the access. <i>(this box should expand as you type)</i>		
Please indicate if your data will be stored in the UWTSD Research Data Repository (see https://researchdata.uwtsd.ac.uk/). If so please explain. <i>(Most relevant to academic staff)</i>		
No		
Confirm that you have read the UWTSD guidance on data management (see https://www.uwtsd.ac.uk/library/research-data-management/)	YES	X
	NO	
Confirm that you are aware that you need to keep all data until after your research has completed or the end of your funding	YES	X
	NO	

SECTION K: Declaration

The information which I have provided is correct and complete to the best of my knowledge. I have attempted to identify any risks and issues related to the research activity and acknowledge my obligations and the rights of the participants.

In submitting this application I hereby confirm that I undertake to ensure that the above named research activity will meet the University's [Research Ethics and Integrity Code of Practice](#)

Signature of applicant:	KHUSH BAKHT SHARIQ	Date: May 15 th , 2022
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For STUDENT Submissions:

Director of Studies/Supervisor:		Date:
Signature:		

For STAFF Submissions:

Head of School/Assistant Dean:		Date:
Signature:		

Checklist: Please complete the checklist below to ensure that you have completed the form according to the guidelines and attached any required documentation:

x	I have read the guidance notes supplied before completing the form.
x	I have completed ALL RELEVANT sections of the form in full.
x	I confirm that the research activity has received approval in principle
	I have attached a copy of final/interim approval from external organisation (where appropriate)
	I have attached a full risk assessment (and have NOT completed Section H of this form) (where appropriate) ONLY TICK IF YOU HAVE ATTACHED A FULL RISK ASSESSMENT
x	I understand that it is my responsibility to ensure that the above named research activity will meet the University's Research Ethics and Integrity Code of Practice.
x	I understand that before commencing data collection all documents aimed at respondents (including information sheets, consent forms, questionnaires, interview schedules etc.) must be confirmed by the DoS/Supervisor, module tutor or Head of School.
x	I have deleted the guidance notes before submitting the PG2 for consideration

Reference List:

British Educational Research Association [BERA] (2018) Ethical Guidelines for Educational Research, fourth edition, London. <https://www.bera.ac.uk/researchers-resources/publications/ethicalguidelines-for-educational-research-2018>

Chang, Y.Y. and Chang, C.Y., 2010. The benefits of outdoor activities for children with autism. *Unpublished manuscript, Department of Horticulture, National Taiwan University, Taipei, ROC.* Available at: https://www.researchgate.net/profile/Chun-Yen-Chang-8/publication/266369570_The_Benefits_of_Outdoor_Activities_for_Children_with_Autism/link/s/54dd62460cf28a3d93f903c1/The-Benefits-of-Outdoor-Activities-for-Children-with-Autism.pdf

Data Protection Act 2018, Available at: <https://www.legislation.gov.uk/ukpga/2018/12/contents/enacted> (Accessed: 15/05/2022)

Early Years Alliance (2019) *How Outdoor Play Can Be Beneficial for Children with Special Educational Needs*. Available at: <https://www.eyalliance.org.uk/how-outdoor-play-can-be-beneficial-children-special-educational-needs> (Accessed: 12/05/2022)

Hall-Kenyon, K.M. and Rosborough, A. (2017) 'Exploring Pedological Relationships in Context of free play', *Early Years*, 37:3, 326-337, DOI:10.1080/09575146.2016.1183190

Hart Barnett, Juliet. (2018). Three Evidence-Based Strategies that Support Social Skills and Play Among Young Children with Autism Spectrum Disorders. *Early Childhood Education Journal*. 46. DOI: 10.1007/s10643-018-0911-0

Hostettler Scharer, J. (2017). Supporting Young Children's Learning in a Dramatic Play Environment. *Journal of Childhood Studies*, 42(3), 62-69. DOI: <https://doi.org/10.18357/jcs.v42i3.17895> (Accessed:14/05/2022)

Jarvis, et al. (2012) *Research in the Early Years A STEP-BY-STEP GUIDE*. Essex: Pearson Education Limited.

Mukherji, P. and Albon, D. (2015) *Research Methods in Early Childhood*. 2nd edn. London: Sage Publishing.

Nicolopoulou, A. (1993) 'Play, Cognitive Development, and the Social World: Piaget, Vygotsky, and Beyond', *Human Development*, 36(1), pp. 1-23. DOI: 10.1159/000277285

University of Wales Trinity Saint David (2020) *Research Ethics & Integrity Code of Practice*. Available at: [UWTSD research ethics and code of practice \(1\).pdf](#) (Accessed: 15/05/2022)

