

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:		Eleanor Thomas			
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:		Carmarthen			
E-mail address:		2009486@student.uwtsd.ac.uk			
Contact Telephone Number:		No need to fill			
For students:					
Student Number:		2009486			
Programme of Study:		Early Years Education and Care: Early Years Practitioner Status			
Director of Studies/Supervisor:		Alison Ress-Edwards			

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	☒	NO	☐
				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- Paul Darby	

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.	
UWTSD Research Ethics & Integrity Code of Practice	☒
UWTSD Research Data Management Policy	☒
BERA Ethical Guidelines for Educational Research 2018	☒

SECTION D: External Collaborative Research Activity

Does the research activity involve collaborators outside of the University?		YES	☐	NO	☒
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	☐
If Yes, please attach a copy of any final approval (or interim approval) from the organisation				

SECTION E: Details of Research Activity

Indicative title:	Children's physical movement in indoor and outdoor environments		
Proposed start date:	22.10.21	Proposed end date:	05.2022
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: • Purpose of Research Activity • Proposed Research Question • Aims of Research Activity • Objectives of Research Activity Demonstrate, briefly, how <u>Existing Research</u> has informed the proposed activity and explain • What the research activity will add to the body of knowledge • How it addresses an area of importance.			
Purpose of Research Activity (Kemple et al., 2016) states that the outdoor play is important for Childrens development in all areas and that the outdoor play is beneficial for children all around the world. (Henniger, 1993) states that educators have become more aware of the positives that the outdoor play has to offer for children. The outdoor play plays a role in physical-motor development, able to help children develop on their social skills, cognitive, emotional, problem-solving all while having fun. (Khan, McGeown and Islam, 2018) states that children learn and have more engagement learning outdoors than indoors and suggesting that the outdoor environment is more effective for learning. Therefore, the research activity proposed in this form will undertake a qualitative study as when the children are being observed and the practitioners in the four different settings that have been chosen whilst they are taking part in play or activities indoors and outdoors. The observer will focus on observing the children's development and health. The researcher will be asking for the parents and practitioners views on the children's development and health on outdoor play through the questionnaires. (this box should expand as you type)			
Research Question What evidence is there to support the importance of outdoor play for young children's development. (this box should expand as you type)			
Aims of Research Activity To gain a better understanding of the importance of children using the outdoor play for their development.			

To have an insight view on practitioners and parents' thoughts on outdoor play and how it helps children's development.

(this box should expand as you type)

Objectives of Research Activity

To hand out questionnaires to four schools, in each school there will be 10 teachers and 30 parents taking part in filling in the questionnaire.

Observations of the children taking part in the outdoor activity will also be taking place within the four schools.

(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.

Within the four school settings which will be used in the research have been approached to see if they would be interested (if the ethics proposal were to be accepted) to be involved with the study. Once approval has been granted, everyone who will be taking place in the study shall be contacted to be informed with that the study would include. The four schools have been chosen in different areas in the same county. One of the reasons for using schools in the study is that the setting will have around the same number of children to take part in the study, 25-35 children which all the children will have access to the use of the outdoors. Once the settings are happy to continue, letters of consent will be sent to parents and practitioners who will be involved in all four settings.

The methods chosen involve questionnaire that only parents, and practitioners will need to take part in. The questionnaire will have questions asked for parents and practitioners based on what their beliefs on the outdoor play for children's development. Observations will be carried out when the children involved are playing and taking part in activities inside of the classroom and observations will be carried out when the children are taking part in activities and playing in the outdoors. The questionnaires will be handed out before the observations begin. The observer will visit each of the four settings once a week over three months, the months chosen are March, April, and May. Researcher will be in each setting for one whole session where the children will play in and outdoors in the morning and afternoon when being observed. The observer will be observant for approximately 20-25 minutes in each observation, staff and children should not feel overwhelmed during this study. In line with the BERA (2018) and Flewitt (2020) children and practitioners will have a say for when the researchers are able to observe them in their practice. A researcher will be able to observe two-five children taking part indoors or outdoors during play or an activity at a time for around 20-25 minutes. The researcher observing will need to take detail, short notes and should record to be able to look back at the recording for extra notes. The observer will need to place a camera indoors and outdoors where the children will be gathered, children that have not given consent to be in the video should not be recorded at any time and should be in an area where the video camera will not pick them up, only notes should be taken for children who have not given consent. Children who have not given consent should be placed into the same groups for observations.

Location of research activity

Identify all locations where research activity will take place.

In four school settings in the county of Carmarthenshire. Activities will be taken indoors and outdoors.

(this box should expand as you type)

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.

(this box should expand as you type)

Use of documentation not in the public domain: Are any documents NOT publicly available?	NO	☒
	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.

(this box should expand as you type)

SECTION F: Scope of Research Activity

Will the research activity include:	YES	NO
Use of interviews?	☐	☒
Use of a questionnaire or similar research instrument?	☒	☐
Use of diaries?	☐	☒
Participant observation with their knowledge?	☒	☐
Participant observation without their knowledge?	☐	☒
Use of video or audio recording?	☒	☐
Access to personal or confidential information without the participants' specific consent?	☐	☒
Administration of any questions, test stimuli, presentation that may be experienced as physically, mentally or emotionally harmful / offensive?	☐	☒
Performance of any acts which may cause embarrassment or affect self-esteem?	☐	☒
Investigation of participants involved in illegal activities?	☐	☒
Use of procedures that involve deception?	☐	☒
Administration of any substance, agent or placebo?	☐	☒
Working with live vertebrate animals?	☐	☒
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?	☐	☒
Adults (over the age of 18 and competent to give consent)?	☒	☐
Vulnerable adults?	☐	☒
Children and Young People under the age of 18? (Consent from Parent, Carer or Guardian will be required)	☒	☐
Prisoners?	☐	☒
Young offenders?	☐	☒
Those who could be considered to have a particularly dependent relationship with the investigator or a gatekeeper?	☐	☒
People engaged in illegal activities?	☐	☒
Others (please identify specifically any group who may be unable to give consent) please indicate here and tick the appropriate box.	☐	☒
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 - 10 individuals Parents - 30 Children 4-5 years old- 30-35 individuals (this box should expand as you type)
Who will the participants be?	Practitioners over 18 Children 4-5 years old Parents of the children (this box should expand as you type)
How will you identify the participants?	The settings have been informed of the study and have agreed to take part in the research. The researcher will work alongside the practitioners, with the groups of children they have chosen. (this box should expand as you type)

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?	☒	☐	☐
Will you tell participants that their participation is voluntary?	☒	☐	☐
Will you obtain written consent for participation?	☒	☐	☐
Will you explain to participants that refusal to participate in the research will not affect their treatment or education (if relevant)?	☒	☐	☐
If the research is observational, will you ask participants for their consent to being observed?	☒	☐	☐
Will you tell participants that they may withdraw from the research at any time and for any reason?	☒	☐	☐
With questionnaires, will you give participants the option of omitting questions they do not want to answer?	☒	☐	☐
Will you tell participants that their data will be treated with full confidentiality and that, if published, it will not be identifiable as theirs?	☒	☐	☐
Will you debrief participants at the end of their participation, in a way appropriate to the type of research undertaken?	☒	☐	☐
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?	☐	☒	☐
Is specialist electrical or other equipment to be used with participants?	☐	☒	☐
Are there any financial or other interests to the investigator or University arising from this study?	☐	☒	☐
Will the research activity involve deliberately misleading participants in any way, or the partial or full concealment of the specific study aims?	☐	☒	☐
If YES to any question, please provide full details			
(this box should expand as you type)			

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

☐

No

☒

Risks to participants

For example: emotional distress, financial disclosure, physical harm, transfer of personal data, sensitive organisational information

Risk to Participant:

There is a risk that when the researcher is present in the settings, he/she may cause practitioners and children to become stressed due to being observed. The children and practitioners may not be able to communicate as normal due to being anxious.

The children and practitioners may become overwhelmed when being filmed, this may have an impact on their wellbeing and interrupt their play.

The questionnaires that practitioners and parents will be filling in may cause them to become stress, due to the practitioners and parents believe their answers or opinions are incorrect.

Video recordings, notes and questionnaires could be taken, may become lost or shared.

(this box should expand as you type)

How will you mitigate the Risk to Participant

The researcher will work with the practitioners, if the practitioners feels that the children are become stressed or anxious due to the researcher in the setting or due to the observation then the researcher must stop any observations until the children and practitioners are happy to start again. Practitioners and children can ask the researcher to stop at any time. The researcher will not interrupt the play.

The children and practitioners are aware that they will be recorded, the video camera will be placed in an area where it will not be visible. Children who have not given consent to be recorded will not be placed in the area that the camera is not able to see the children.

The researcher will inform parents and practitioners that there is no right or wrong answer or opinion. Parents and practitioners are able to fill the questionnaire in anonymously if they wish.

All data collected from the study will be locked up in a cupboard in a locked room when the researcher is not in the room. Only two others will have accesses to the key to open to locked room and cupboard. The computer that will be used to keep date on will be protected by a password, again only two people will know the password.

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

(this box should expand as you type)

Risks to investigator

For example: personal safety, physical harm, emotional distress, risk of accusation of harm/impropriety, conflict of interest

Risk to Investigator:

The early years setting chosen has clear policies and procedures in place to safeguard the children and their wellbeing, if not read correctly or taken seriously this may lead to accidents or risk of allegations against the researcher.

Researcher may witness behaviour within the setting that is not appropriate or that the researcher is concerned of. This may cause the researcher to become distressed.

The researcher may become overwhelmed and stressed if left alone with the children.

The researcher may become distressed if research is lost or missed placed on their behalf, the research would include notes, video recordings and questionnaires.

(this box should expand as you type)

The researcher would be aware of the policies and procedures within the settings. Before starting the research study, the researchers would be asked to follow up with the settings on their policies to check no new policies have been added or missed. The researcher will be an early years student that is fully aware of the Children's best interests. The researcher will have an up to date full disclosure DBS.

The letters of consent that would be handed out before the research study takes place, it will also include that if the researcher believes that the children are in any sort of harm or has witnessed any unexpected behaviour the researcher will need to report the behaviour witnessed to safeguard the children. In order to make sure that this is dealt correctly, the researcher would inform the tutor who will be able to support the process that would be needed.

The researcher will never be left alone with any children and must be with the practitioners at all times when around children. The researcher will not be in charge of any decisions made in the setting, if a children need help the researcher should make the practitioners aware. The researcher will not be accounted for in the ratio of staff.

All data from the researcher study will be placed inside a locked cupboard in a locked room when the room is unattended. Data that will be on the University computer will need to be accessed by a password. Therefore, it is unlikely that data from the researcher study will go missing.

University/institutional risks

For example: adverse publicity, financial loss, data protection

Risk to University:

If the researcher fails to follow the settings policies, acts in inappropriate way or in any way that is not professional.

How will you mitigate the Risk to University:

The researcher would be aware of the policies and procedures within the settings. Before starting the research study, the researchers would be asked to follow up with

If the researcher did not maintain the confidentiality and data protection correctly, this will have a negative impact on UWTSD. <i>(this box should expand as you type)</i>	the settings on their policies to check that no new policies have been added or missed. The researcher will be an early years student that is fully aware of the Childrens best interests. All data from the researcher study will be placed inside a locked cupboard in a locked room when the room is unattended. Data that will be on the University computer will need to be accessed by a password. Therefore, it is unlikely that data from the researcher study will go missing. The researcher should not discuss any who is involved in the study with anyone unless it is the researchers tutor.
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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?	☒	☐	☐

SECTION I: Feedback, Consent and Confidentiality

Feedback

What de-briefing and feedback will be provided to participants, how will this be done and when?

When to study has been completed the practitioners, parents and children that have been involved in the four setting will be invited to a presentation to discuss what the researcher found out by taking the study. Any questions from the participants can be answered here.

(this box should expand as you type)

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 parents of the children and practitioners will be given letters of consent to sign before the research study takes place, the letter of consent will include in detail what the research study includes, what type of methods will take place and how the methods will be done and how the data will be protected. Parents will be invited to an open evening where the researcher can discuss the study and answer any questions parents and practitioners may have. All letters of consent will need to be returned before the study take places allowing or not allowing the children to take part, both will need to be signed for.

(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.

The settings will not be named or anyone who takes part in the research study. The video recording notes and questionnaires will be used for analysis purpose and will not be shared, therefore kept confidential.

(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 video recording that is collected could be used to identify individuals that are recorded. (this box should expand as you type)		
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)		
Will the research activity involve storing personal data and/or special category data on one of the following:	YES	NO
Manual files (i.e. in paper form)?	☒	☐
University computers?	☒	☐
Private company computers?	☐	☒
Home or other personal computers?	☐	☒
Laptop computers/ CDs/ Portable disk-drives/ memory sticks?	☐	☒
"Cloud" storage or websites?	☐	☒
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:		

All paper form notes, video recordings and any additional information will be placed into a locked cupboard in a locked office that only Eleanor Thomas and Paul Darby will have access to. The video recording and data will be directly placed onto the University computer where only Eleanor Thomas and Paul Darby have access to.

(this box should expand as you type)

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

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):

(this box should expand as you type)

List all who will have access to the data generated by the research activity:

The researcher Eleanor Thomas and her tutor Paul Darby.

(this box should expand as you type)

List who will have control of, and act as custodian(s) for, data generated by the research activity:

The researcher Eleanor Thomas and the tutor Paul Darby if needed.

(this box should expand as you type)

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.

The data collected during the study will be active for five years on the University computer. The computer will be protected by passwords. After five years all recordings that were made during the study will be deleted.

(this box should expand as you type)

Please indicate if your data will be stored in the UWTSD Research Data Repository (see <https://researchdata.uwt.ac.uk/>). If so please explain. *(Most relevant to academic staff)*

No

(this box should expand as you type)

Confirm that you have read the UWTSD guidance on data management (see https://www.uwtsd.ac.uk/library/research-data-management/)	YES	☒
	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	☒
	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:	Eleanor Thomas	Date: October 18 th , 2021
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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:

☒	I have read the guidance notes supplied before completing the form.
☒	I have completed ALL RELEVANT sections of the form in full.
☒	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
☒	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.
☒	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.
☒	I have deleted the guidance notes before submitting the PG2 for consideration

RESEARCH STUDENTS AND STAFF ONLY

All communications relating to this application during its processing must be in writing and emailed to pgresearch@uwtsd.ac.uk, with the title 'Ethical Approval' followed by your name.

You will be informed of the outcome of your claim by email; therefore it is important that you check your University and personal email accounts regularly.

STUDENTS ON UNDERGRADUATE OR TAUGHT MASTERS PROGRAMMES should submit this form (and receive the outcome) via systems explained to you by the supervisor/module leader.

This form is available electronically from the Academic Office web pages:

<http://www.uwtsd.ac.uk/academic-office/>

Application Process

All staff research projects and all research students must submit the Ethical Approval Form to the **University Ethics Committee** via the Academic Office (pgresearch@uwtsd.ac.uk). Staff research directly in relation to personal study for taught undergraduate or Masters programmes should be submitted via the Faculty procedures explained below.

Taught masters and taught undergraduate research Ethical Approval Forms are considered **within Faculties**. Faculties will provide details of the specific processes for this. Where the Ethical issues within any single ethical application are of particular concern the Faculty will refer these to the University Ethics Committee. Any student activity that involves the collection of primary data needs to undergo Ethical approval, this includes assignment work as well as dissertations.

Reference list

- Acorn House International. (2019). *The importance of outdoor exploratory play in Early years*. [online] Available at: <https://www.acornhouse.school/2019/04/06/the-importance-of-outdoor-exploratory-play-in-early-years/#:~:text=%20The%20importance%20of%20outdoor%20exploratory%20play%20in> (Accessed: 21.10.21).
- Atkins, S. (2018). *Why Outdoor Learning Boosts Children's Development*. [online] First Discoverers. Available at: <https://www.firstdiscoverers.co.uk/outdoor-learning-boosts-development/> (Accessed: 21.10.21).
- Baker, L. (2006). Observation: A Complex Research Method. *Library Trends*, [online] 55(1), pp.171–189. Available at: <https://www.webpages.uidaho.edu/CSS506/Technique%20Readings/Baker%202006%20Observation%20a%20complex%20research%20method> [Accessed: 19.10.21].
- C, McCarthey (2020) *6 reasons children need to play outside* Available at: <https://www.health.harvard.edu/blog/6-reasons-children-need-to-play-outside-2018052213880> (Accessed: 09.10.21).
- Davies, M. and Hughes, N. (2014). *Doing a successful research project: using qualitative or quantitative methods*. 2nd ed. Houndmills, Basingstoke, Hampshire; New York: Palgrave Macmillan.
- Early years careers (2016) *Accessing outdoor play no matter the weather* Available at: www.earlyyearscreers.com/eyc/enabling-environment/accessing-outdoor-play-no-matter-weather/ (Accessed: 12.10.21).
- Early years careers (2016) *creating a stimulating outdoor learning environment* Available at: www.earlyyearscreers.com/eyc/enabling-environment/creating-stimulating-outdoor-learning-environment/ (Accessed: 09.10.21).
- Early Years Resources.co.uk (2016) *5 benefits of outdoor learning in Early Year* Available at: <https://www.earlyyearsresources.co.uk/blog/2016/03/5-benefits-of-outdoor-learning-early-years/> (Accessed: 07.10.21).
- Gull, C., Goldenstein, S.L. and Rosengarten, T. (2018). Benefits and Risks of Tree Climbing on Child Development and Resiliency. *International Journal of Early Childhood Environmental Education*, [online] 5(2), pp.10–29. Available at: <https://eric.ed.gov/?id=EJ1180021> [Accessed: 15.10.21].
- Henniger, M.L. (1993). Enriching the Outdoor Play Experience. *Childhood Education*
- HowandWhat.net (2019). *Advantages and disadvantages of questionnaires | howandwhat*. [online] howandwhat. Available at: <https://howandwhat.net/advantages-disadvantages-questionnaires/> (Accessed: 17.10.21).
- iEduNote. (2020). *Observation Method of Data Collection: Advantages, Disadvantages, Techniques, Types*. [online] Available at: <https://www.iedunote.com/observation-method-of-data-collection#:~:text=Advantages%20of%20the%20Observation%20Method%2019> (Accessed: 19.10.21).
- Kemple, K.M., Oh, J., Kenney, E. and Smith-Bonahue, T. (2016). The Power of Outdoor Play and Play in Natural Environments. *Childhood Education* Available at:

<https://www.tandfonline.com/doi/abs/10.1080/00094056.2016.1251793>

(Accessed:19.10.21).

Khan, M., McGeown, S.P. and Islam, M.Z. (2018). "There is no better way to study science than to collect and analyse data in your own yard": outdoor classrooms and primary school children in Bangladesh. *Children's Geographies*

Maynard, T. and Waters, J. (2007). Learning in the outdoor environment: a missed opportunity? *Early Years*, 27(3), pp.255–265.

NHS Choices (2019). *Exercise*. [online] NHS. Available at: <https://www.nhs.uk/live-well/exercise/physical-activity-guidelines-children-under-five-years/> (Accessed: 20.10.21).

Nidirect. (2018). *Playing outdoors*. [online] Available at: <https://www.nidirect.gov.uk/articles/playing-outdoors> (Accessed: 17.10.21)

Obee, P., Sandseter, E.B.H., Gerlach, A. and Harper, N.J. (2020). Lessons Learned from Norway on Risky Play in Early Childhood Education and Care (ECEC). *Early Childhood Education Journal*.

Outdoor Learning Practical guidance, ideas and support for teachers and practitioners in Scotland. (n.d.). [online] Available at: <https://education.gov.scot/improvement/documents/hwb24-ol-support.pdf> (Accessed: 19.10.21).

Reading Craze. (2017). *Recording Observation Data in Research*. [online] Available at: <http://readingcraze.com/index.php/recording-observation-data-research/> (Accessed:17.10.21).

Roberts-Holmes, G (2018) *doing your early years research project: step-by-step guide*. London, Sage.

Sandseter, E.B.H. and Sando, O.J. (2016). "We Don't Allow Children to Climb Trees": How a Focus on Safety Affects Norwegian Children's Play in Early-Childhood Education and Care Settings. 178–200. [online] Available at: <https://open.dmmh.no/dmmh-xmlui/handle/11250/2563917> [Accessed: 16.10.21].

Singer, D., Singer, J., Agostino, H. and Delong, R. (2009). *Children's Pastimes and Play in Sixteen Nations Is Free-Play Declining?* [online] Available at: <https://files.eric.ed.gov/fulltext/EJ1069041.pdf> [Accessed:15.10.21].

tutor2u. (2016). *Observational Techniques - Strengths and Limitations* [online] Available at: <https://www.tutor2u.net/psychology/reference/observational-techniques-strengths-and-limitations.m> (Accessed: 18.10.21)

Ulset, V., Vitaro, F., Brendgen, M., Bekkhus, M. and Borge, A.I.H. (2017). Time spent outdoors during preschool: Links with children's cognitive and behavioural development. *Journal of Environmental Psychology*, 52, pp.69–80.

Waller, T., Ärlemalm-Hagsér, E., Beate, E., Liblee-Hammond, Kirsti Lekies and Wyver, S.R. (2017). *The SAGE handbook of outdoor play and learning*. Los Angeles: Sage Reference.

www.simplypsychology.org. (2018). *Questionnaire: Definition, Examples, Design and Types* | Simply Psychology. [online] Available at: <https://www.simplypsychology.org/questionnaires.html#:~:text=Questionnaires%20can%20be%20an%20effective%20means%20of%20measuring> (Accessed: 20.10.21).

