

## NOTTINGHAM TRENT UNIVERSITY

## School of Science and Technology

#### NON-INVASIVE HUMAN ETHICS COMMITTEE

**For Office Use only.**

Application No:

Submission No:

#### 

#### APPLICATION FORM

### 1. Information about the Project

|  |  |  |
| --- | --- | --- |
| 1.1 | Your name | Callum Wykes |
| 1.2 | Your student ID\* | N0808366 |
| 1.3 | Project title | The use of Virtual Reality to help people with learning disabilities travel safely (Travel Training). |
| 1.4 | Your course\* | Computer Science - Games Technology |
| 1.5 | Name of your research supervisor\* | James Lewis |
| 1.6 | Anticipated project start date | 29th March 2022 |
| 1.7 | Estimated end date of the project | 22nd April 2022 |
| 1.8 | Which professional association’s code of ethical practice is most relevant to your project? | British Computer Society |

\*only if you are an undergraduate or postgraduate student

### 2. Project Outline

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2.1 | Briefly outline the aims and objectives of the research. [75 words]  The primary aim of this project is to explore the viability of Virtual Reality (VR) to assist people with learning disabilities with independent travelling.  A subsequent aim of this project is to demo a suitable system through a VR1 study and a VR2 trial on appropriate navigation paradigms that enable individuals with learning disabilities to navigate a virtual space with minimal risk of experiencing motion sickness. | | | |
| 2.2 | Briefly describe the principal methods, the sources of data or evidence to be used, and the number and type of research participants who will be recruited to the project.  The aim of this research is to test the effectiveness of the different implemented locomotion paradigms within the Virtual Reality Travel Training simulator context. The application will involve the user progressing through a series of different levels designed to look like typical UK streets wherein they’ll be challenged to cross a road using different crossing types. The users will need to navigate through to complete the level. Level types will include zebra crossing, pelican crossings, crossroad crossing and plain road crossing. With regards to locomotion paradigms, users will have the option to select their preferred method of locomotion at the start of the level. The locomotion paradigm options will include joystick movement and ‘arm-swinging’ walking. The latency rates will be compared through the use of different headsets (PICO 3 or the Oculus Quest 2).  “NICER” are a group of adults with learning difficulties who have prior experience of participating in academic research. Users from the “NICER” group will be invited onto campus to participate in the testing of the developed virtual reality travel training application to provide valuable feedback on the effectiveness of the application. Attending teachers/supervisors from Oakfield School will also be present to take part and to help the students, but also to get their views on what the project should focus on going forward.  Each participant will attend a single session guided by the student and supervisor. Each session will be attended by 5 participants. While one participant uses the headset the others will have the opportunity to watch. The HMD perspective of the participant within the VR world will be displayed through a monitor. Prior to a participant beginning their session in VR, they will be given a VR Sickness Questionnaire (VRSQ) to answer. Upon completion of the VRSQ, participants will have the opportunity to pick their preferred headset.  While immersed in the VR application, participants will not be permitted to spend longer than 10 minutes continuously using the headset to avoid motion sickness being caused because of prolonged exposure. The sessions will be 2 hours long allowing for the participants to attempt the multiple levels and locomotive options of the application. Upon completion of a level, participants will be asked to complete another round of the VRSQ. Participants will be timed on how quickly they complete a level.  After a participant has completed all the activities that they've wished to participate in within their allocated 2 hours, they will be asked an additional set of questions regarding what they thought of the application, more specifically if they thought the application would be effective in aiding themselves/others in traveling safely/independently and any improvements they feel would be necessary to achieve this outcome in the future, and their thoughts on whether Virtual Reality is suitable for this kind of training.  These sessions will be audio recorded, then transcribed and anonymised afterwards. Notes will also be taken throughout the sessions. Insights from these sessions on how the participants found each activity/what worked/what didn’t will be written up and analysed. | | | |
| 2.3 | Do you intend to use published research instruments/resources (e.g., questionnaires, scales, psychometrics, vignettes)?  If NO, proceed to Question 2.6  If YES, complete Questions 2.4 – 2.5 | | Yes | No |
| 2.4 | Please confirm by circling YES that you have included with this application, a full electronic copy or link to each published research instrument/resource with this application. | | Yes | No |
| 2.5 | If you are using published research instruments/resources, do you have permission to use them in the way that you intend to use them? Please attach the evidence which may include a statement from your supervisor if you are a student, including copyright. | Yes | No | N/A |
| 2.6 | Are you developing your own research resources/instruments to collect data?  If NO, proceed to Section 3.  If YES, complete question 2.7 | | Yes | No |
| 2.7 | Briefly describe the research resources/instruments you are developing to collect data. Please confirm by circling YES that you have included an electronic version with this application (any subsequent changes must be seen by the Chair for approval) [50 words] | | Yes | No |

### 3. Does the project require a Disclosure and Barring Service (DBS)/Overseas Police Check?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3.1 | Does the project involve contact with children or young people under 18 years of age? | | Yes | No |
| 3.2 | Does the project involve contact with adults with learning or communication difficulties, adults who are infirm or physically disabled or adults who are resident in social care or medical establishments? | | Yes | No |
| 3.3 | Has a DBS check been stipulated as a condition of access to any source of data required for the project? | | Yes | No |
| 3.4 | Has an Overseas Police Check been stipulated as a condition of access to any source of data required for the project? | | Yes | No |
| 3.5 | If you have answered YES to any of these questions, explain the nature of your contact with participants during the research. [75 words]  The participants are part of the NICER group, who are made up of intellectually disabled individuals who have participated in many research projects with the Computer Science Team at NTU. The former acts as a research governance group and regularly meet up to advise on research proposals, including co-creation of research questions, experimental design, recruitment, ethics and dissemination.  There will be a team of researchers (including the applicant) present to assist them whilst they are trialling the VR application on the VR headset and will help conduct the focus group discussion at the end of the session. | | | |
| 3.6 | If a DBS/Overseas Police Check has been stipulated as a condition of access to any source of data required for the project, please confirm by circling YES that you have included evidence of the check with this application. | Yes | No | N/A |

**4. Research of a Sensitive Nature and Risk of Emotional or Physical Harm**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Does your research involve any of the following…? | | | | |  |
| 4.1 | A significant risk that the project will lead participants to disclose evidence that children or vulnerable adults are being harmed or are at risk of harm? | | Yes | No |  |
| 4.2 | Could the study cause harm, distress or any other consequences beyond the risks encountered in normal life? | | Yes | No |  |
| 4.3 | If the project is of a sensitive nature or if it may cause significant emotional or physical harm to participants, provide justification for why such an approach to the project is necessary, and outline the experience and skills you have to undertake the proposed research [max 50 words]. | | | |  |
| 4.4 | Please confirm that validated scales proposed for use in the project are current and not likely to confirm offence to participants. | Yes | | No | N/A |
| 4.5 | Where is the research taking place? [max 50 words]  The participants from the NICER group will take part on Clifton campus in ISTEC004 (the VR lab). | | | |  |
| 4.6 | How do you propose to recruit participants? [max 50 words]  The participants will be recruited via the NICER Group conjunction with Mr David Stewart the NICER group facilitator. | | | |  |
| 4.7 | What actions will you take to ensure your safety and that of participants? [max 50 words]  The participants will be supervised at all times when using the VR headsets. Adequate space will be cleared to reduce the risk of tripping. Space which ISTEC004 (the VR lab) provides. | | | |  |

**5. Payment to Participants**

|  |  |  |  |
| --- | --- | --- | --- |
| 5.1 | Do you intend to offer participants any kind of inducements or compensation for taking part in your project? If Yes, complete 5.2, if NO proceed to section 6. | Yes | No |
| 5.2 | If YES, please explain why you are doing this and what form the inducements or compensation will take. [50 words] | | |

### 6. Anonymity, Confidentiality, Security and Retention of Research Data

**REFER TO THE GUIDANCE NOTES ACCOMPANYING THIS FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| 6.1 | Will all data be anonymised? | Yes | No |
| 6.2 | If you answered NO, briefly explain why you feel it is necessary for the research to be conducted in the proposed way, such that the usual standards of confidentiality, anonymity and security, referred to above, cannot be met. [75 words] | | |
| 6.3 | Explain what steps you will take to maximise the confidentiality and security of participant data during and after the project. [50 words]  Group discussions will be recorded and transcribed. In the transcription, the participants’ names will be replaced with an anonymised ID, and then the original audio file will be destroyed.  Any other information that could also be used to directly identify any individual from this transcription will also be removed. A table linking each participants ID number to their name will be stored in a password-protected folder on OneDrive. After 4 weeks this table will also be destroyed, and the participants will be unable to withdraw. | | |
| 6.4 | How many years will any anonymised data be stored e.g. any link between participants name or ID number, how long will the data be stored before being destroyed?  The anonymised data will be stored securely on OneDrive for 5 years in line with the data protection act | | |
| 6.5 | Explain how you will make it possible to withdraw participants from the study after data collection (should they request it) [75 words]  If a participant wishes to withdraw after data collection, they will be able to let a member of the NTU research team, or Oak Field staff, know. Any reference to them, or their ID, will be removed from the transcript, and their entry will be removed from the table linking ID number to name. This will only be possible up to 4 weeks after the VR session. | | |
| 6.6 | In light of your response to the questions in this section, can you confirm that you will comply with the requirements of the Data Protection Act when conducting your project? | Yes | No |

**7. Informed Consent & Assent (including Opt-in/Opt-out Consent in Schools)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **FOR ALL RESEARCH PROJECTS** | | | | | | |
| 7.1 | Will every participant be fully informed about why the project is being conducted and what their participation will involve? | | | Yes | | No |
| 7.2 | Please include a copy of the participant information sheet and indicate this is included by circling Yes. | | | Yes | | No |
| 7.3 | Will every participant be asked to give written consent/assent to participating in the project before data collection begins? | | | Yes | | No |
| 7.4 | Please include a copy of the participant consent/assent form and indicate this is included by circling Yes. | | | Yes | | No |
| 7.5 | If the answer to Question 7.1 or 7.3 is NO, please explain why it is necessary to collect data without securing written informed consent from participants. [max 75 words] | | | | | |
| **FOR PROJECTS INVOLVING CHILDREN OR VULNERABLE ADULTS** | | | | | | |
| 7.6 | Will you be collecting data from children under 18 years or from vulnerable adults?  If NO, proceed to Question 7.15.  If YES, complete Questions 7.7 – 7.14. | | | Yes | | No |
| 7.7 | Will you conduct the research in a school or similar organisation?  If NO, proceed to Question 7.11.  If YES, complete Questions 7.8 – 7.10. | | | Yes | | No |
| **FOR PROJECTS INVOLVING CHILDREN OR VULNERABLE ADULTS WITHIN SCHOOLS OR SIMILAR ORGANISATIONS** | | | | | | |
| 7.8 | Will you obtain the consent of the head teacher or relevant parental proxy? | Yes | | No | | N/A |
| 7.9 | Please include a copy of the letter/information sheet you will give to the head teacher/parental proxy and indicate this is included by circling Yes. | Yes | | No | | N/A |
| 7.10 | Please include a copy of the head teacher/parental proxy consent form including an option to additionally require parental consent and indicate this is included by circling Yes. | Yes | | No | | N/A |
| **FOR ALL PROJECTS INVOLVING CHILDREN OR VULNERABLE ADULTS** | | | | | | |
| 7.11 | If you are conducting research with children under 18 years or vulnerable adults, will you obtain the consent of the parent/guardian? | Yes | | No | | N/A |
| 7.12 | If parental/guardian consent is necessary will you seek ‘opt-in’ or ‘opt-out’ consent? | Opt-in | | | Opt-out | |
| 7.13 | If parental/guardian consent will be OPT-OUT, explain why it is not possible or appropriate to seek opt-in consent. [max 50 words] | | | | | |
| 7.14 | Please included with this application a copy of the parent/guardian consent form and indicate this is included by circling Yes. | Yes | | No | | N/A |
| **FOR ALL RESEARCH PROJECTS** | | | | | | |
| 7.15 | Will explicit consent be sought for audio (e.g. Dictaphone), video or photographic recording of participants? | | Yes | No | | N/A |
| 7.16 | Does the project involve deceiving, or covert observation  of participants? | | | Yes | | No |
| 7.17 | Does the project require that participants are debriefed? | | | Yes | | No |
| 7.18 | If a debrief is necessary, have you included with this application a copy of the debriefing sheet and indicate this is included by circling Yes. | | Yes | No | | N/A |
| 7.19 | If the project requires that participants are debriefed, explain how you will implement this at the earliest possible opportunity. [max 50 words] | | | | | |
| 7.20 | If participants need permission from their organisation to participate in the study please circle YES to indicate that once ethical committee approval is given you will obtain a signed letter from a manager giving permission for participants to take part. | | Yes | No | | N/A |

**8. Online Survey and Internet Research including Online Survey’s**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 8.1 | Will any part of your project involve collecting data by means of electronic media, such as the internet or email?  If NO, proceed to Section 9.  If YES, complete Questions 8.2 – 8.6. | | Yes | No |
| 8.2 | If YES, explain how electronic media will be used in the project. [max 50 words] | | | |
| 8.3 | Is there a significant possibility that the project will cause participants to become distressed or harmed beyond the risks encountered in everyday life and will the project incur any other risks that arise specifically from the use of electronic media? | | Yes | No |
| 8.4 | If YES, explain the risks involved and how you plan to deal with them given the nature of the research. [max 75 words] | | | |
| 8.5 | Do you have permission for the **online** usage of the materials/research instruments that you are intending to use? If NO, explain why not and how you plan to address the question of permission for online usage of materials/research instruments. [max 50 words] | | Yes | No |
| 8.6 | Please include with this application evidence of permission to use materials/research instruments **online** and indicate this is included by circling Yes. | Yes | No | N/A |

**9. Only to be completed by supervisors of undergraduate or postgraduate projects.**

|  |  |  |
| --- | --- | --- |
| **Supervisor’s Declaration** | | **Please tick** |
| 9.1 | I have read this form and confirm that it covers all the ethical issues raised by this project fully and frankly. | ✓ |
| 9.2 | These issues have been discussed with the student and she/he has received training in managing the ethical issues raised by this research. | ✓ |
| 9.3 | I am confident that the student understands the School’s ethics protocols and guidance and will be able to comply with these accordingly. | ✓ |
| 9.4 | If the student is undertaking research of a sensitive nature, she/he has the skills and expertise necessary to conduct the research project. | ✓ |

**Supervisor Name: James Lewis**

**Signed (Supervisor): A picture containing text

Description automatically generated**

**Date: 28/02/2022**

**10. Applicant’s Declaration**

|  |  |  |
| --- | --- | --- |
| **Please tick the box to indicate your agreement** | | |
| 10.1 | I request a statement of ethics approval from the Non-Invasive Ethics Committee and I have answered all questions in this form as honestly and fully as I can. | ✓ |
| 10.2 | I will carry out the project in a way that is fully in line with the NTU Code of Practice for Research.  Details of which can be found; <https://www.ntu.ac.uk/research/research-environment-and-governance/governance-and-integrity> | ✓ |
| 10.3 | I will resubmit the application for ethics approval if the project subsequently changes in any significant way related to the research ethics framework. | ✓ |
| 10.4 | I will conduct the project in the ways described in this application. | ✓ |
| 10.5 | I have read and agree to abide by the code of research ethics issued by the relevant professional society. | ✓ |
| 10.6 | I have read and understood all the relevant guidance notes and guidelines associated with this form. | ✓ |

**Name: (Applicant): Callum Wykes**

**Signed (Applicant):**



**Date: 25/02/2022**

**END OF FORM FOR THE APPLICANT**

Once completed and signed by you and your supervisor, please submit to [sst.ethics@ntu.ac.uk](mailto:sst.ethics@ntu.ac.uk)

### 11. Independent Reviewer Form

Please complete **both** sections. **Please return your review online to** [**sst.ethics@ntu.ac.uk**](mailto:sst.ethics@ntu.ac.uk)

### Section 1: Applicant Details

|  |  |  |
| --- | --- | --- |
| 1.1 | Applicant Name |  |
| 1.2 | Applicant ID number (if applicable) |  |

### Section 2: Your Recommendation to the School of Science and Technology Non-invasive Ethics Committee

Please indicate your agreement with ONE of the decisions below by ticking the relevant option.

|  |  |  |
| --- | --- | --- |
| 2.1 | **Approved** – you may commence your research as outlined in your application. | ✓ |
| 2.2 | **Approved with recommendations -** see points below. Before commencing your research you may want to incorporate these suggestions and If you do make any changes you must return the final version via sst.ethics@ntu.ac.uk for our records.  **(Please use bullet points).** |  |
| 2.3 | **Approved with conditions -** see points below. Before commencing your research you must incorporate these conditions and resubmit all the application, highlighting the changes in yellow, via sst.ethics@ntu.ac.uk for final approval.  **(Please use bullet points).** |  |
| 2.4 | **Not approved and resubmit –** see points below. Before commencing your research you must incorporate these conditions in consultation with your supervisor, if you have one, and you will need to resubmit your application via sst.ethics@ntu.ac.uk for re-evaluation by the committee.  **(Please use bullet points).** |  |

## NOTTINGHAM TRENT UNIVERSITY

## School of Science and Technology

#### ETHICS APPROVAL APPLICATION FORM FOR NON-INVASIVE

#### HUMANS RESEARCH PROJECTS

#### 

**Guidance Notes**

### 1. Information about the Project

1.6 Ensure that the anticipated project start date is later than the date of submission of the ethics approval form (or state ‘Upon ethics approval’).

1.7 The estimated end date of the project would normally be 12 months after the start date but applicants can apply for a longer period of time.

1.8 Examples of professional associations include:

British Psychological Society

British Educational Research Association

### 2. Project Outline

2.2 Ensure that you address ALL parts of this question.

2.3 Answer YES to this question if you are using ANY research instruments/resources that have not been created by you or your supervisor specifically for the purpose of this project. This includes existing resources that you have adapted for the purpose of the current project.

2.4 Ethics approval for the project will not be granted without this information.

2.5 If you do not have permission to use published research instruments/resources in the way that you intend to use them, ethics approval for the project will not be granted. Permission to use a paper copy of a scale does not automatically mean that you also have permission for it to be used in an online or digitised form. If express permission is required to use a published research instrument/resource, include evidence of this permission in the appendices accompanying the application e.g. an email from the author / editor.

NB - Material simply being published does not imply permission to use.

2.7 Ethics approval for the project will not be granted without this information.

### 3. Does the project require a Disclosure and Barring Service (DBS)/Overseas Police Check?

Refer to the Guide to DBS/ Overseas Police Checks before completing this section.

**4. Research of a Sensitive Nature and Risk of Emotional or Physical Harm**

Refer to the Risk Assessment Safety Guidance before completing this section at

<https://www4.ntu.ac.uk/hsw/health_safety/training/online-courses/index.html>

If your project involves work with children, speak with your project supervisor, if you have one, in the first instance, and where appropriate consult the NTU Policy on Child Protection before completing this section of the form. Further information can be obtained via;

<http://www4.ntu.ac.uk/about_ntu/policies/safeguarding_children/index.html?utm_medium=short_url&utm_campaign=safeguarding&utm_term=sic&utm_source=short_url>

If there is any possibility that you or your research participants may be exposed to significant risk, you must assess and manage risk by completing an NTU Risk Assessment form with the input of your supervisor, if you have one. The completed risk assessment form must be included in an appendix and submitted alongside the ethics approval form and can be obtained via;

<https://www4.ntu.ac.uk/hsw/document_uploads/161461.doc>

You MUST consult with your supervisor, if you have one, and be guided by them, when considering any form of research that may involve risk of physical, emotional or psychological harm. You should also consult the code of ethical practice of the professional association relevant to your discipline.

### 5. Payment to Participants (Including Research Credits)

### Researchers should consider whether offering an inducement or compensation for participating in the project will compromise the voluntary nature of participation. Researchers should be aware that such inducements or compensation may also influence the nature of participants’ motivation to engage in the research, and consequently the quality of data.

### 6. Anonymity, Confidentiality, Security and Retention of Research Data

For the purposes of this ethics approval process, the terms are defined as follows:

*Confidentiality*: Maintaining confidentiality of participant data means that only the researchers involved in the project can identify the responses of individual participants. The researchers must employ procedures which prevent anyone outside of the project from connecting individual participants from their responses.

*Anonymity*: Maintaining anonymity of participant data means that the research project does not involve collecting identifying information from individual participants (e.g., name, address, date of birth, email address), or that it is not possible to match data to individual participants.

6.3 Applicants undertaking qualitative research often state that they will be keeping data confidential; however, the nature of qualitative reporting necessarily involves individual data extracts being used as evidence in the report. These data have therefore not been kept confidential. If you are planning to conduct qualitative research and you plan to use verbatim extracts in the report, you should not indicate that you will be keeping data confidential. Instead you need to explain this ‘limit to confidentiality’ and explain that you will fully anonymise data when reporting the results. This does not just mean changing the participants’ names. It means that ALL identifying information in the data must be anonymised and de-identified (e.g., place names, employing organisations, specific job title if only one person does that role). Measures to maintain confidentiality of personal data include, but are not limited to, assigning participants an I.D number, and maintaining a master list with participant names and assigned I.D. numbers under separate cover. This means that participant data can remain confidential but that participants can be identified and their data removed. All data should be stored in locked file cabinets / in stored electronic files that are password protected, and only be accessible to the researchers.

6.5 Applicants frequently state that they will (i) collect anonymous data to ensure confidentiality, and (ii) allow participants the right to withdraw. What they fail to include is *how* they will identify participants’ data for withdrawal at a later date. A simple solution is to ask each participant to choose a unique identifier to attach to their data (e.g. first pet’s name, mother’s maiden name, significant event) and ask them to cite this identifier if they find they wish to withdraw their data at a later point. This solution should also be applied to Internet-based research. That is, it is not appropriate to have statements suggesting that once someone has pressed a button to submit their data they can no longer withdraw. Instead they should be asked for a unique identifier and given an NTU contact email address to use if they wish to withdraw at a later date.

6.6 All participants will have the right to withdraw at any stage without detriment.  Any personal information involving any participant gained through participation in the study will be treated as confidential and only handled by individuals relevant to the performance of the study.

All personal data (such as names, addresses, telephone numbers and email addresses) and sensitive personal data, (such as information about racial ethnic origin, physical or mental health or sex life), will only be processed with the participants informed consent. The data will not be stored for any longer than is necessary.

### 7 Informed Consent (including Opt-in/Opt-out Consent in Schools)

This section requires that a number of documents are included alongside the submission of the ethics approval form. Ethics approval for the project will not be granted without this information. If an application is submitted without the appropriate documents, it will be returned to the applicant with a request for the relevant information before the ethics approval form is forwarded for independent review.

## Refer to the SST Non-Invasive Ethics Committee NOW room for examples of examples of participant information sheets, participant consent/assent forms, head teacher/ parental proxy information sheets/letters, head teacher/ parental proxy consent forms, parent information sheets/letters, parental consent forms, and participant debrief sheets.

7.2 Students should note that they should provide their full name, NTU email and their supervisor’s telephone number on documents.

7.3 Informed *consent* to participate should be sought from all participants who are competent individuals aged 18 years or over. For children and vulnerable adults, informed *assent* to participate should be sought from participants, as well as informed *consent* from a competent adult who assumes legal responsibility for the participant (e.g., parent, head teacher, parental proxy).

7.8 When collecting data from children or vulnerable adults in a school or similar organization, the head teacher or relevant parental proxy may be willing to assume responsibility for children/vulnerable adults *in loco parentis*. In this case, it is not necessary to seek parental consent. The head teacher/parental proxy consent form must include an option to additionally require parental consent before data collection takes place, which the head teacher/parental proxy can select if they are not willing to assume responsibility for children/vulnerable adults *in loco parentis*.

7.12 In most circumstances, written ‘opt-in’ consent should then be obtained from the parents of any children invited to take part in your research. In practice, this usually means children take home a letter about your research, and bring back a signed consent form if their parents are happy for them to participate. This is certainly the case if you are planning on working with children who have special educational needs, very young children, or if the topic you are researching is in any way sensitive.

Opt-out parental consent may be appropriate in some circumstances. This is where children take home a letter about your research, and only return a signed form if their parents prefer them not to take part. You are therefore assuming that any child who does not return a signed form has parental consent to participate. This type of consent may be appropriate if you are carrying out research on a non-sensitive topic, if the types of tasks the children will be undertaking are similar to normal classroom activities, or if you are working with older teenagers. Finally, opt-out consent should only be used with the express permission of the head teacher or relevant parental proxy.

If you are unsure whether to use opt-in or opt-out consent, discuss your concerns with your supervisor, if you have one.

7.18 It may be necessary to deceive participants because fully informing participants

about the nature of their participation would detrimentally affect the results. For example, informing participants that they will be observed may affect the behaviour under examination. If such an approach is necessary, the researchers must fully inform participants about the true nature of the research at the earliest possible opportunity, and provide participants with a further opportunity to withdraw all or part of their data from the project.

**Section 9**

9 **Please make sure that you and your supervisor (if a student) have signed the form.**