

Does music effect your body?

Written by: Adalia Hauler

Commenced on: 5 Aug 2019

Expires: 5 Nov 2020

Classes for which experiment is required

Teacher: Karen Walter

Year Group: 7

Room

Period

Date

S321

1 and 2

Tue 6/8/19

Procedure or reference, including variations

made it up

Equipment to be used**digital sphygmomanometer***Potential hazards*

Cuff could be used to strangle a person if tightened around neck. If mains powered, danger of electrocution, especially in wet areas or if wiring is defective. The cuff should be wrapped around the arm above the elbow. Do not inflate the cuff above 180 mm Hg and do not keep inflated cuff on for more than 3 minutes.

Standard handling procedures

Sit quietly for 3-5 minutes before taking a reading. Allow at least 5 minutes between measurements on the same arm for recovery of normal circulation. Digital monitors are usually battery powered. If mains powered, check for electrical safety. Inspect for any damage or perishing of components before use. Avoid using old sphygmomanometers containing mercury, due to the possibility of breakage and mercury contamination.

laptop*Potential hazards*

Power cords may be a trip hazard.

Standard handling procedures

If on trolley, ensure trolley does not block exit.

Others

fitbit

Knowledge

I/we have read and understood the potential hazards and standard handling procedures of all the equipment, chemicals and biological items, including living organisms.

I/we have read and understood the Safety Data Sheets for all hazardous chemicals used in the experiment.

I/we have copies of the Safety Data Sheets of all the hazardous chemicals available in or near the laboratory.

Agreement by student(s)

I/we, Adalia Hauler, agree to conduct this experiment safely in accordance with school rules and teacher instructions.

Risk assessment

I/we have considered the risks of:

fire or explosion	breakage of equipment	exposure to pathogens	waste disposal
chemicals in eyes	injuries from equipment	injuries from animals	improper labelling/storage
inhalation of gas/dust	rotating equipment	intense light/lasers	inappropriate behaviour
chemicals on skin	electrical shock	UV, IR, nuclear radiation	communication issues
ingestion of chemicals	vibration or noise	pressure inside equipment	allergies
runaway reaction	sharp objects	heavy lifting	special needs
heat or cold	falling or flying objects	slipping, tripping, falling	other risks

Assessment by Student(s)

I/we have assessed the risks associated with performing this experiment in the classroom on the basis of likelihood and consequences using the School's risk matrix, according to International Organization for Standardization Standard ISO 31000:2018.

I/we consider the inherent level of risk (risk level without control measures) to be:

Low risk Medium risk High risk Extreme risk

Risks will therefore be managed by routine procedures in the classroom.

Certification by Teacher

I have assessed the risks associated with performing this experiment in the classroom on the basis of likelihood and consequences using the School's risk matrix, according to International Organization for Standardization Standard ISO 31000:2018. I confirm that the risk level and control measures entered by student(s) above are correct and appropriate.

Name:

Signature:

Date:

Certification by Laboratory Technician

I have assessed the risks associated with preparing the equipment, chemicals and biological items, including living organisms, for this experiment and subsequently cleaning up after the experiment and disposing of wastes, on the basis of likelihood and consequences using the School's risk matrix, according to International Organization for Standardization Standard ISO 31000:2018.

I consider the inherent level of risk (risk level without control measures) to be:

Low risk Medium risk High risk Extreme risk

Where the risk level is "medium risk", "high risk" or "extreme risk", the following control measures will be employed:

Control measures (attach further pages as required):

safety glasses gloves lab coat apron fume cupboard

With the specified control measures in place, I have found that all the risks are "low risk". Risks will therefore be managed by routine procedures in the laboratory, in combination with the specified control measures.

Name: **Signature:** **Date:**

Monitoring and review

This risk assessment will be monitored using comments below and will be reviewed within 15 months from the date of certification.

Attach further pages as required