

Joe Barthorpe

Health, Safety, and Risk
Assessment
(HPMF4006)

Brett Aggersberg

Assessment 1 and 2

Contents

Assessment 1 (portfolio):

Casualty report forms in separate folder because of struggle downloading, Thanks.

- 3. Outline of Scenario and Proposed Filming
- 4. Shot List
- 5. Equipment
- 6. Call Sheet
- 8. Risk Assessment A
- 10. Risk Assessment B
- 12. Control Measures
- 14. Recce
- 16. Manual Handling Assessment
- 19. Safety Vetting Form
- 23. Participant fitness review
- 24. Emergency plan
- 25. Filming methods

Assessment 2 (report):

- 26. Report

Joe Barthorpe

Outline of scenario and proposed filming for 'AWAKEN'

"AWAKEN" is a full feature film following the journey of a young expedition enthusiast who dedicates his life to his father and the discovery of ancient Roman temples. However, unknown dangers follow when gaining closer towards the temple's secrets.

Outline of scenario:

Growing up Michael admired his father's work hoping one day to join him on his quest to find hidden Roman temples, deep within ancient gold mines. However his father is reported missing after an unknown complication during one of his expeditions. Out of both love and rage, Michael dedicated himself to finishing his dad's lifelong dream of finding the hidden temples at all costs and also figuring out what caused his father's disappearance.

The filming I would like to shoot will take place in the long tunneled goldmine with the larger mining area located at the end. My film is a thriller/horror that includes one man trying to locate ancient roman temples in the carmarthen gold mines. In this particular scene the leading character is exploring deep into an abandoned mine searching for the temples, however once the character reaches the end of the mine, he searches for any secret entrances to the temples. During the search, strange noises come from the other end of the tunnel. He begins to run in fear towards the exit of the mine tunnel, however a dark figure is chasing him from behind gaining distance to the protagonist. The character continues to run, leaping out of the exit and quickly checking behind him for the strange unknown figure that has now vanished out of site.

For the first shot of the scene, there will simply be an establishing shot for the audience to realise where the mines entrance point is located in the dense forest, it will be a wide long shot from high up in the trees. In order to capture this shot I will be using a drone to reach those heights as there are too many unnecessary risks that would be taken if someone was to climb to get the shot. The following shot will include an over the shoulder shot from a two step distance tracking Michael's movement further into the mines tunnel lasting 6-7 seconds creating slow building tension throughout. The tunnels will be lowly lit to create a sense of fear to the audience as they will be unable to see even short distance when watching. The lighting style will be used to match the type of emotion being portrayed to the audience.

Furthermore as Michael continues to walk deeper into the tunnel, there will be 3 character tracking pans turning with the movement of michael passing by, this shot will give an incentive to the audience that he is being watched. These cameras will be located in the small indented parts of the tunnel section located in the side walls. Michael will then reach the section of the cave which is larger in space at the end where he will begin searching for the temples shown by a wide shot of most of the area. Strange noises will then occur and michael begins to panic and start running for the exit at the other end of the tunneled mine. As Michael is running towards

the exit, shots will constantly be changing from POV to a backwards tracking shot for when he turns his head checking for what's coming after him. He will then jump out the exit quickly turning around for the audience to see that whatever was chasing him has now vanished.

Shot List:

Scene	shot	Shot size/angle	Time of day	Shot description	Notes
23	1	Wide-long shot	evening	Establishing shot of mine tunnel located in forrest	Michael walks into the shot from distance
23	2	Over shoulder	evening	Over shoulder two steps back lasting 6-7 seconds	Two steps back to create a sense of being followed
23	3	Pan tracking subject	evening	Panning from left to right as character passes	Represents Michael being watched to the audience
23	4	Wide shot	evening	Empty space located at the end of the tunnel	Michael searching around
23	5	POV	evening	Searching for the location of the noise	Noises coming from various areas of the mine
23	6	Reverse tracking shot	evening	Tracking shot reversed so the camera is moving backwards whilst the character is coming towards it	The noises continue
23	7	Over shoulder	evening	Michael turns around and sees nothing there	Shows the audience michael can't see anything meaning they are also left in suspense

Equipment

Date	Item	Cost of equipment
11/12/19	Tripod	£40
11/12/19	Shotgun Microphone	£99
11/12/19	Panasonic GH5 (with lenses)	£1677
11/12/19	3-8 feet boom pole	£36
11/12/19	Lighting kit	£50
11/12/19	Shoulder rig	£65

. PPE will be supplied by dolaucothi mines including hard hats and torches.

Call sheet

Director: Joe Barthorpe Producer: Will Sharp Cinematographer: Joe Barthorpe Lighting: Jack Laythum Sound: Katrina Seaton	AWAKEN Dolaucothi Mines	DATE: 11/12/19
WEATHER: Cloudy Light showers 1°C Low wind	CALL TIME 16:00	Break 18:00

Production Office		Nearest Hospital to Set		
Pumsaint, Llanwrda, Carmarthenshire, SA19 8US		Llandovery Hospital, Llanfair Rd, Llandovery SA20 0LA		
LOCATIONS				
#	Location	Address	Parking	Contact
1	Dolaucothi Gold Mine	Pumsaint, Llanwrda, Carmarthenshire, SA19 8US	Parking: free. Overflow car park opposite main entrance	01558650177 dolaucothi@ nationaltrust. org.uk
Scene and Description			Cast	Loc
Michael entering mine tunnel searching for hidden samples			Elliot	Dolaucothi gold mine

#	Cast	Role	Call Time	Pick Up Time
1 .	elliot	Michael	16:00	15:00

Transportation
Mini bus transportation will be hired for cast, crew and equipment
Catering
Actor and crew to bring packed lunch or there is a cafe located on site

Director Joe Barthorpe	Producer William sharp	Lighting Jack Laythm	Sound Katrina Seaton
----------------------------------	----------------------------------	--------------------------------	--------------------------------

Risk Assessment Form – Part A

Production Name:	AWAKEN	Organisation	JBproductions
Production Address:	Pumsaint, Llanwrda, Carmarthenshire, SA19 8US	Director / Editor Tel: Mobile:	Joe Barthorpe 01858288635 07443909750
Start date	10/12/19	End date	11/12/19
Distribution <i>Who gets a copy of the assessment</i>	All cast and crew members get a copy		
Outline of risk assessment <i>Summary of what is proposed in terms of sequences and set ups.</i>	Filming at Dolaucothi gold mines in one of the mines from the outside all the way through to the end of the tunneled mine. Michael explores the mines searching for the hidden temples however tries to escape as soon as he is followed by a mysterious figure.		
Team members / experts / contractors / contributors etc. <i>List those involved</i>	Joe Barthorpe(Director/camera operator), William Sharp(producer), Jack Laythm(lightning), Katrina Seaton(sound), Elliott Oakes(actor)		
Locations <i>Outline locations involved – indicate any which are hostile environments</i>	Pumsaint, Llanwrda, Carmarthenshire, SA19 8US		
Assessor Name Signature	Joe Barthorpe	Date completed	10/10/19
Authoriser (if not Assessor) Name Signature		Date authorised	

Hazard list – select your hazards from the list below and use these to complete Part B

Situational hazards	Tick	Physical / chemical hazards	Tick	Health hazards	Tick
Assault by person		Contact with cold liquid / vapour	/	Disease causative agent	

Attack by animal		Contact with cold surface	/	Infection	/
Breathing compressed gas		Contact with hot liquid / vapour		Allergic reaction	
Cold environment	/	Contact with hot surface		Lack of food / water	
Crush by load		Electric shock	/	Lack of oxygen	
Drowning		Explosive blast		Physical fatigue	
Entanglement in moving machinery		Explosive release of stored pressure		Repetitive action	
High atmospheric pressure		Fire		Static body posture	
Hot environment		Hazardous substance		Stress / anxiety	
Manual handling	/	Ionizing radiation		Venom poisoning	
Object falling, moving or flying	/	Laser light			
Obstruction / exposed feature		Lightning strike		Environmental hazards	
Sharp object / material	/	Noise		Litter	
Shot by firearm		Non-ionizing radiation		Nuisance noise / vibration	
Slippery surface	/	Stroboscopic light		Physical damage	
Trap in moving machinery		Vibration		Waste substances released into air	
Trip hazard	/			Waste substance released into soil / water	
Vehicle impact / collision		Managerial / organisational hazards			
Falls from height		Management factors (lack of communication, co-operation, co-ordination and competence)			

Risk matrix – use this to determine risk for each hazard i.e. 'how bad and how likely'	Likelihood of Harm				
	Remote e.g. <1 in 1000 chance	Very unlikely e.g. 1 in 200 chance	Unlikely e.g. 1 in 50 chance	Possible e.g. 1 in 10 chance	Likely e.g. >1 in 3 chance
Severity of Harm					
Negligible e.g. small bruise	Trivial	Trivial	Trivial	Low	Low
Slight e.g. small cut, deep bruise	Trivial	Trivial	Low	Low	Medium

Moderate e.g. deep cut, torn muscle	Trivial	Low	Medium	Medium	High
Severe e.g. fracture, loss of consciousness	Low	Medium	High	High	Extremely high
Very Severe e.g. death, permanent disability	Low	Medium	High	Extremely high	Extremely high

Risk Assessment Form – Part B

Activity – film scene in gold mines, scene where a character runs through gold mine to escape out of the only exit.		Location – Dolaucothi Gold mines		Dates: 11/12/19
Hazards² List what could cause harm from this activity <i>e.g. falls from height, trip hazard, fire, etc.</i>	Who exposed List who might be harmed from this activity <i>e.g. staff, contractors, contributors, public, etc.</i>	Risk³ For each hazard, decide level of risk as if you were to do the activity without your controls	Control measures For each hazard, list the measures you will be taking to minimise the risk identified <i>e.g. appointing competent persons, training received, planning and rehearsals, use of personal protective equipment, provision of first aid, etc.</i>	Risk³ For each hazard, decide level of risk once all your controls are in place
Cold Environment	Cast and crew	Medium	Before shooting everyone will be notified on the correct/suitable clothing that is to be worn on the day of shooting. As the shooting is taking place in December temperatures will be very low meaning cast and crew must wear layers including gloves and hats. Hot drinks will be supplied throughout.	Trivial
Manual Handling	Crew	Medium	A safety briefing will be sent to crew for manual handling such as lifting heavy equipment etc. Large transportation will be parked as close as possible to the shooting site in order to limit the risk of injury from longer lifting durations. People with current/previous injuries will not need to carry any heavy items.	Trivial

Object Falling, moving or flying	Cast and crew	High	Both inside and outside of the mines will be dangerous areas for cast and crew. The trees outside can fall at any moment as well as any rocks etc inside the mines. Everyone will have PPE to put on including a hard hat and torches. The helmet will protect them from falling objects as well as the torch helping people see in coming objects or where they need to be walking in terms of being safe.	Low
Sharp object or material	Cast and crew	High	Sharp rocks and branches will be located all around in and outside the mines. Again PPE will be worn at all times including helmets for protection from sharp areas as well as a safety briefing being given out to cast and crew to ensure that wherever they are stepping, they are moving in the safest way possible.	Low
Slippery surfaces	Cast and crew	Medium	Flooring may become slippery from rain. In order to minimize the risk of injuries cast and crew will be ensured to wear suitable footwear (e.g. walking boots) with lots of grip so that they are less likely to fall.	Low
Trip hazard	Cast and crew	Medium	Loose wiring will be placed along the edge of the tunneled mine so that they aren't lying on the floor easily tripped on. Also any bags or unused equipment will be placed out of the way from the shooting area.	Trivial
Electric shock	Cast and crew	Low	Wiring and equipment will be thoroughly checked throughout, before taking to shoot. The will be kept dry at all times and if rain occurs then they will be sheltered and placed away from getting wet. Cast and crew will be warned about this in a safety briefing and making sure cast and crew members don't touch any equipment that they are not working with.	Trivial
Infection	Cast and crew	Low	It will be very easy to get yourself infected when cut as the mines are located in a forest surrounded area. To prevent infection from taking place if someone was injured, the entire cast are first aid trained and will all take first aid bags with them which will include all equipment necessary to reduce chance of infection.	Trivial

Control Measures

Control Measure	Tick if complete
<u>Cold/wet environments:</u> Rain - If it rains during the day of shooting, filming must be stopped until the area of the mines has been checked thoroughly for water entrance points.	
-If the rain isn't very heavy, small canopies/tents can be placed outside the entrance of the tunnel to keep equipment dry at all times.	
-A secondary canopy/tent can be placed for bags/lunch etc as well as to create a first aid area	
Slippery ground surface - Walking boots will be worn for extra grip/support.	
-Ground mats will be placed for a less slippery surface for when crew are carrying expensive equipment.	
Equipment- equipment will be kept dry under canopies and will be placed in dry bags in case of rain. They will only be brought out when needed to be used.	
Cast and crew- Both will have to wear layered warm and waterproof clothing for protection from both the cold and the potential of heavy rain. Also It will be shot in December so winter clothing is essential.	
<u>Manual Handling:</u> Transport- A large mini bus will be hired out for transport of the cast, crew and equipment. The bus will park as close as possible to the mines in a legal space. This will lower the chance of injury from heavy lifting as their will be a shorter distance to travel.	
<u>Obstructions/sharp objects:</u> PPE(personal protection equipment)- All	

members of the cast and crew will be wearing helmets with flashlights attached to protect themselves from sharp rocks inside the mines. The torches will help all members look out for falling objects or sharp rocks inside the mines.	
<u>Fire prevention measures:</u> -If fire occurs on set, beforehand the cast and crew will be appointed to the nearest fire exit points as well as the nearest fire extinguishers will be located before hand.	
-A meeting point will be set for the cat and crew members for if a fire occurs.	

Recce

Title of production AWAKEN
Location: Dolaucothi Gold mines

Date of recce: 09/10/19

	Yes/No	Comments/Details
Local Condition: • Any known problems If yes, please detail (including source of information)	No ☐ Yes ☒	.Located in dense forested area in moist, slippery grounds.
• Aid needed If yes, please detail name, address and contact numbers for each person/organization • Permission needed • Protective clothing needed If yes, please detail	No ☐ Yes ☒ No ☐ Yes ☒ No ☒ Yes ☐	.First aid will be provided by crew as they will all be first aid trained. .We will need to ask for permission to shoot on site, inside the mines. .PPE will be provided by staff at the mines (Helmet and a torch).
Viewpoints: • Appropriate viewpoints isolated • Any obstructions • Easy to reach and safe If no, please detail requirements	No ☒ Yes ☐ No ☒ Yes ☐ No ☐ Yes ☒	.The only struggle will most likely be carrying equipment up hill to the mines, so the transport bus will park as close as possible to minimize the journey.
Requirements: • Power available If no, please detail alternative arrangements • Lighting appropriate If no, please detail alternative arrangements • Sound equipment (please detail)	No ☒ Yes ☐ No ☐ Yes ☒	.We will have to take external batteries for lights, sound, cameras etc making sure everything is fully charged before hands because the mines do not have plug sockets/power source close by .

Anticipated problems: • Sound If yes, please detail • Picture If yes please detail • People If yes, please detail • Other If yes, please detail	No ☒ Yes ☐ No ☐ Yes ☒ No ☐ Yes ☒ No ☒ Yes ☐	.Only problem with the sound will be unwanted atmospheric sounds e.g. rain, wind, trees. Lighting will help get the best picture as the mines will be very dark without them. .We may need to hire out the area so that no unwanted visitors come into the production set, if not then crew members who aren't working will have to stand watch when a shot is taking place.
Other considerations (please provide details for each): • Security considered • Welfare considered (transport, food, First Aid etc.) • Set dressing required • Props required		.Security won't be necessary for this scene. .Food and first aid will be provided by my production crew.

.These images show both the entrance point and the exit point of the mine that I will be shooting the scene in. It shows all the types of hazards that I've been talking about including, slippery surfaces, sharp rocks, potential falling objects etc. Also it is protected by the national trust which is why permission to film is extremely important.



Manual Handling form

THE TASKS: Do they involve		
Holding loads away from the trunk?	Y	(controls) Heavy equipment will be lifted to the production site. Any heavy objects will be carried by two or more people to minimize risk of injury.
twisting?	N	N/A
stooping?	N	N/A
reaching upwards?	N	N/A
large vertical movements?	Y	The production site is at the top of a semi steep hill so walking boots will be advised as well as walking with someone else at all times to ensure someone is always there for a helping hand.
long carrying distances?	Y	The transport bus will park as close as legally possible to minimize distance to carry equipment.
strenuous pushing or pulling?	N	N/A
unpredictable movement of loads?	N	N/A
repetitive movements?	N	N/A
insufficient rest & recovery periods?	N	N/A
a work rate imposed by a process?	N	N/A
THE LOADS: are they		
heavy?	Y	Some of the equipment is heavy, so two or more people will be carrying the heavier items at a time to reduce the risk of injuries
bulky/unwieldy?	Y	Some of the equipment will be hard to carry than others purely because of size and uneven shaping. If so again have two or more people helping to carry the object.

difficult to grasp?	Y	Some of the equipment will be hard to carry than others purely because of size and uneven shaping. So either wait until you have a better grip or carry with two or more people.
unstable or unpredictable?	N	N/A
intrinsically hazardous (sharp edges etc.)	N	N/A
The environment: are there	Y	Environment could become slippery/uneven from rain/mud so walking boots are advised to get the best grip whilst moving equipment up and down hill.
constraints on posture	Y	The crew members will be shown in health and safety manual on the best way to lift heavy objects.
poor floors?	Y	Wear walking boots incase floors are muddy/slippy. Rubber mats will also be placed outside the mine for extra grip when handling the equipment.
uneven surfaces?	Y	The surfaces will be slippery and rocky so walking boots are advised for the best traction and ankle support on uneven surfaces.
hot, cold or humid conditions?	Y	The weather will be cold due to the Winter dates in december so warm clothing with layers will be worn by both cast and crew including hats, gloves and scarves to ensure they are all warm.
strong air movements?	N	Winds are low on shooting day.
poor lighting conditions?	Y	Lighting will be brought in with external batteries so it will be lit up enough as well as the torches provided with PPE.
THE INDIVIDUALS: does the job require		
require unusual capabilities?	N	N/A
hazard those with health problems?	Y	Anyone with heart conditions, asthma will be advised not to do heavy lifting because it requires a lot of energy.
hazard pregnant workers or nursing mothers?	N	N/A
require special training or information?	N	N/A

OTHERS:

Does PPE interfere with any aspect of the task?

N

N/A

ASSESSOR

DATE

Safety vetting form

Company name (in full)	JB productions	
Name of parent company (if applicable)	N/A	
Company address	2 Burnmill rd, Market Harborough, leicester, LE16 7JF	
Number of employees	9	
Please indicate (Y/N) the nature of the production commissions which you wish to be considered for within the next three years: <i>Please answer all questions</i>	Radio TV	
	Low-Medium risk i.e. non-hostile locations, ready access to emergency services, non-inflammatory subject matter	Y
	High risk: i.e. hostile and/or remote locations, undercover stories, highly sensitive subject material, etc.	N
Have you been safety vetted by another broadcaster within the previous 3 yrs? <i>(if 'yes', please state who/when)</i>	Brooksby Melton College, cinematographer for Brooksby campus level 3 animal management course used to persuade students to choose this course. Was used on there social media page/website	
Name of person completing this form	Joe Barthorpe	
Job title	Director/cinematographer	
Date completed	11/10/19	
Declaration: <i>By submitting this form you declare that, to the best of your knowledge, the information is true and accurate; and that you will inform the commissioning company of all changes that significantly alter the information provided.</i>		

Health and Safety Management

1. Do you have a Company H&S Policy? (If “yes”, please attach)	Yes, all members of cast/crew will go through it to make sure health and safety is all set for production.
<i>It is a legal requirement for companies employing 5 or more people to have a written health and safety policy in place. You can write it for yourselves, obtain it from your source of H&S Assistance (see below) or customise an established one (e.g. from PACT or your parent company). The policy should specify who is responsible for health and safety at managerial and day-to-day levels, what arrangements are in place to manage safety and the emergency procedures you have.</i>	
2. Who is ultimately responsible for health and safety in your company?	Name and job title: Joe Barthorpe - director/cinematographer
<i>A single individual should take overall responsibility for making sure the company's health and safety obligations are met and any issues are addressed. The responsible person should be an employee with influence within the organisation and is generally a Managing Director, Chief Executive, or other Director / board member. It should not be a person who makes day-to-day decisions about safety.</i>	

Health and Safety Assistance

3. Where do you go for H&S advice and support?	Company: Citation Contact name: citation advisor Contact details: 0161 826 5646
4. Please confirm that they meet IOSH accredited competence criteria : (If not, please specify what safety competency they do hold)	YES
<i>Your company needs to have someone to go to for Health and Safety Assistance. This person might be a sole trader, an employee of a consulting company, or could be one of your own employees. To be considered sufficiently competent to act in this role, they need hold a relevant and accredited health and safety qualification, sufficient to enable them to be on the Occupational Safety and Health Consultants Register (OSHCR) and/or achieve Grad IOSH membership status (or better).</i>	
5. Please confirm that your source of H&S Assistance is appropriately insured?	yes
<i>Those who provide professional safety advice need hold Public Liability insurance (PLI) and Professional Indemnity insurance cover. As a guide, £1m Professional Indemnity or £3m PLI would be an acceptable level of insurance for a production with standard risks.</i>	

Health and Safety Competence

6. What core safety training does your company set for those in positions of responsibility on productions? (Please describe any mandatory courses, who needs to complete them and how often)	All crew members are fully first aid trained lasting a further 3 years.
All production staff should receive H&S training appropriate to their role. ScreenSkills offer bursaries for a number of H&S training courses. Those on productions who are in a position of responsibility for the safety of others and who have completed a Production Safety Passport (PSP) accredited course (such as 'Safe Management of Production') within the previous 5 years, will be considered suitably competent by the main broadcasters and PACT members. Alternative training courses will also be considered, including IOSH's Working Safely and Managing Safely .	
8. Please outline your procedures for engaging and managing contractors / sole traders on productions?	Both my company and the health and safeties have contracted that we'll work together prior to an injury taking place on set during production.

Risk Assessment

9. Please confirm you have attached a copy of a recently completed (i.e. < 6 months old) production risk assessment form of yours?	https://docs.google.com/document/d/171ESTonc_r-UJTt9xBA9OqtULdJ1nySNX6p0UffRCjw/edit
10. Please describe the sign-off procedure for risk assessments involving 'high risk' activities?	N/A
<i>Risk assessment is the cornerstone of health and safety management and it should form the basis of your company's health and safety procedures as well as providing a structured way of looking at workplace hazards on production. Risk assessments should be completed by somebody who is knowledgeable in the process and understands the hazards associated with the task in hand.</i>	

Accidents / incidents and Enforcement Action

11. Outline your procedures for reporting and investigating serious accidents on productions?	The reporting guidelines matches BBCs guidelines, any incidents can be reported to essential contacts e.g. police.
12. Outline any RIDDOR 'reportable' you have had in the previous 12 months, and the learning points you drew from these?	N/A
13. Outline any enforcement action that has been taken against your company by the HSE or a Local Authority within the previous 3 yrs?	None over the 3 years.
<i>Accident reporting can be done via an internal paper or online form, or by using the HSE BL510 accident book. Your procedure should include responsibility for reporting under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR)</i>	

Contributor Fitness To Participate

Programme Type Summary

Film shoot for one scene at Dolaucothi gold mines, the day of filming is on the 11th of December 2019. The fitness review is for both cast and crew. For the cast, Elliott will have to run for 20metres inside the tunnel. He has got to withstand a full sprint for this duration. On the other hand for the crew, manual labouring equipment up and down the sloped walkway from the production site (mine tunnel) to the car park where the equipment will be located.

Activity Level

- . Running at speed through an enclosed, tight mine tunnel. This shows that Elliott is fit and able to shoot this scene.
- . For the crew it is manual lifting heavy equipment up and down from the car park to the production point. This requires both strength and general fitness, All my staff have been qualified to do so except one who has asthma. This person will only do one trip carrying lighter equipment to ensure them not having an asthma attack.

Health Clearance Required

The health of both cast and crew have been thoroughly checked over and there is only one member of the crew who will need to be watched over when it comes to fitness because they have asthma.

Emergency plan

Contacts:

- . 999
- . 111

Injured crew/cast member:

. If an injury occurs whilst on set of the production, we have a fully first aid trained crew on set at all times. Also there will be a canopy outside predominantly for first aid to be taken place. Two crew members have been sign as lead first aiders for the first two hours, then for each two hours it will rotate to the next two qualified first aiders on set. This will prevent any potential overcrowding around the injured person. They need to be given space by everyone but the first aiders to ensure that they aren't feeling claustrophobic.

Transport:

. If transport breaks down before reaching us at the pick up point, I have an emergency backup contact number that may take more time to arrive but we will still be able to shoot. If the transport breaks down whilst the cast, crew and equipment are on it then I will more than likely have to cancel the shoot for the day as the recovery pick up will take too long to arrive; transfer all the equipment (if there's room) to the new vehicle; transfer people and then have a new vehicle for our return too.

Weather:

. Cold weather - This scene is to be shot in December, meaning the temperature will be extremely cold, the cast and crew have already been informed to wear extra layers and winter clothing, however if a crew/cast member becomes too cold then we have emergency clothing and blankets ready for these situations. Also there is a cafe just a few minute walk away from the production area, on site to the gold mines. People can use this cafe to buy extra tea/coffees or just simply to warm up.

. Rain - Light showers have been reported for the date of production (11/12/19) however heavy rain may occur. If heavy rain occurs the shoot will be cancelled for the day because the mine tunnels flood with water sloping into the end of the tunnel. This will affect both picture and equipment. Elliott would not be able to do the running scene due to the risks being too high with a slippery surface on the floor

Filming methods

.To start off with the establishing shot outside will be created using a drone showing both the forested surroundings and the entrance point to the mine with Michael entering the shot. The drone will be slowly moving downwards to create an unnerving feeling to the audience.

.The image below shows the end point of the mines where Michael will be searching for the hidden ancient temples. In order to grab the view of the entire area of the mine, the camera is going to be placed in the small indented part to the right of the wooden pillar support. This position will be perfect because it sits further back into the mine than most areas meaning you'll be able to get the entire area in shot including Michael.



This small indents in the mine are also located along the sides of the tunneled section of the mine, meaning

they will also be useful for the shot where Michael is running from the dark figure. As he runs past the camera it will whip pan with his body to create a fast movement effect to the audience showing how fast he is actually running. The indents range in size from about a metre to 2 metres back. Perfect amount of space to capture the shots wanted.

Roles:

- . Director - Joe Barthorpe
- . Producer - William Sharp
- . Cinematographer - Joe Barthorpe
- . Sound operator - Katrina Seaton
- . Lighting operator - Jack Laythm

Report

Summary of Project Aims	The main purpose of this assignment was to create an overall portfolio for a risk assessment on a film. I had to create the idea for my own scene and where it would be shot developing my own risks and creating a theoretical injury.
Specification	What are the Requirements? Bullet points and description where relevant. In this assignment I had to create a portfolio including the following: .Outline of scenario and proposed filming - This is an overall write up of what it is I want to film. Going into detail on the individual scene that I would like to shoot explaining each camera shot I would like to shoot and where each shot will take place. .Production Risk Assessment - This is where I analyse the area where the scene will take place checking for every possible hazard that could take place during production. This is to help both cast and crew members to minimize the risk of getting injured during shooting. .Emergency Plan - The emergency plan is a description on what me and the crew are supposed to do if something went wrong during the day of production. The emergency plan would be handed out to each production member to ensure that they know what to do in case of an emergency. . Call Sheet - The call sheet is made to inform my crew/cast members when we will be filming, who's needed on set, what time's lunch etc. Each production member would have this to hand. . Evidence of Dynamic Risk Assessment - This is the same as the first risk assessment however this one is made on the day of

	shooting, noting down any differences compared to the original risk assessment. .Filming Methods- Includes; Equipment, position, operator and how I would want each shot to be taken. Also pointing out where they will be taken corresponding with the location. . Participant Fitness Review - This is a review that analyzes how fit people are to be apart of the production. The main part of the production where fitness is a big facture, is the manual lifting of the equipment from the transport mini bus to the production site and then back at the end of the day. .Location Review (recce) - This is essentially a location scout, checking for the hazards I can see on site and whether it is a reliable location to film at. .List of Control Measures - My list of control measures corresponded with the tick list of hazards, explaining how i could reduce the risks as well as more general hazards that could occur. .Safety Vetting Form - This goes into detail of the production companies details. My company I created is called JB Productions and the Vetting form goes into detail about the health and safety side of my company. .Record of Any Accident (If Relevant) - I created a metaphorical accident that takes place when shooting and went through step by step of what I/the crew would do if an accident took place. .Manual Handling Assessment - This document explains all the lifting of equipment that would be taking place for the production and how to manage all the lifting without injury.
--	---

Research Summary	Overall I have learnt a whole new side to risk assessments compared to what I already thought I knew. Before I started this assignment I knew about the risk assessment (but in less detail), call sheets, shot lists and treatments. Everything was new to me, so I am really happy to learn these new types of documents needed to create a complete risk assessment. Now it will be an easier process for future risk assessments needed to be made.
Technical Review	When I chose the location of the Dolaucothi gold mines I knew there would be a lot of risks after our visit to the site. For example, I had to think about if it was raining and it got heavier, the mines would have water flow coming from the end and entrance of the tunnels. Furthermore location wise, the emergency plan was quite difficult as it is in a forest uphill with hazardous area all around.
Outcome	Positives of my work is that it has a wide variety of hazards because of the location I chose. Visiting the site before hand was a great opportunity as I got to have a great view of what my film/scene idea could become as well as all the different types of hazards I could talk about. On the other hand, the negatives I have about my work would firstly be that I left it too late to have a tutorial with Brett about my work meaning I missed out on advice on how to improve earlier on. Also I left finishing off my contents page quite late so I should of been more organised for that.
Conclusion	I think that the project has gone quite well overall, I've learnt a lot of new things that go into a film risk assessment, even adding extra detail to documents I already knew of. If I was to restart this project I think I would have maybe gone more adventurous with

	the location, choosing somewhere I'd need to research more about instead of somewhere we've had a trip to, but that's just my thought process.
References	.https://www.nationaltrust.org.uk/dolaucothi-gold-mines#Overview .https://www.google.com/maps/place/National+Trust+-+Dolaucothi+Gold+Mines/@52.0448555,-3.9546172,771m/data=!3m1!1e3!4m5!3m4!1s0x486fa98b5bf22235:0x37a4841b073627e6!8m2!3d52.0447585!4d-3.9502666 .https://moodle.uwtsd.ac.uk/course/view.php?id=5458 .http://www.hse.gov.uk/entertainment/theatre-tv/film.htm .http://www.hse.gov.uk/aala/index.htm