

## Overview

This standard involves creating a prosthetic for use in a production. It assumes you have the required knowledge and ability to create prosthetics and a thorough understanding of the hazards involved. You will need to be able to plan, sculpt, mould, run and apply prosthetics. You will need to work in collaboration with various production personnel, in particular with costume and wardrobe, props and stunt departments to achieve the desired effect. This standard will be appropriate for you if you create and apply prosthetics.

## Performance criteria

### *You must be able to:*

P1 liaise with appropriate people and departments about prosthetic requirements

P2 use reliable sources to research prosthetic effects that are authentic and appropriate

P3 create prosthetics in line with production requirements, script/breakdown and budget

P4 prepare cores and casts that are suitable to work from

P5 carry out final moulding and casting of prosthetic pieces using appropriate materials to meet production requirements

P6 provide documentation when required, outlining any necessary safety procedures

P7 maintain the safety of cast and crew at all times

P8 ensure that any fire masks used are made to a minimum thickness and are quick release

P9 liaise and work in collaboration with relevant people to ensure that all prosthetic effects are safe at all times

P10 monitor people using prosthetics at all times so as to ensure there are no allergic reactions, excessive changes in body temperature or effects on their ability to function with ease

P11 act without delay and in accordance with health and safety

Create a prosthetic effect

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instructions in the event that a prosthetic-related incident occurs on set  
or in a workshop

P12 remove prosthetics in line with safety requirements

P13 provide alternative solutions in line with production requirements  
and budget if prosthetics cannot be produced to the original design or  
budget

P14 document risk assessment and risk management in appropriate  
formats

## Knowledge and understanding

### *You need to know and understand:*

You need to know and K1 who to liaise with in production, and in particular costume and

wardrobe, props, special effects and stunt departments about the prosthetics needed and their safety requirements

K2 cuts, abrasions, wounds and human anatomy

K3 how to use artificial blood products and blood rigs

K4 the correct body temperatures to maintain when using creature costumes

K5 how to research specific prosthetics to assure they are authentic and appropriate to script requirements

K6 specific techniques to use for ageing prosthetics

K7 the processes undertaken to carry out life casts and materials needed for this

K8 sculpting, moulding and casting materials and techniques

K9 the importance of fire masks and their manufacture for use in a stunt body burn

K10 air supplies and equipment

K11 the potential outcomes of not using materials appropriately or correctly and the immediate measures to take

K12 potential allergic reactions which can occur when using

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prosthetics, how to recognise them and how to act accordingly

K13 how to carry out extensive tests in a suitable workshop

environment and the importance of having all tests documented or

videoed to avoid unnecessary danger

K14 how to remove make up/prosthetic safely

K15 animatronics and their use in creating a special effects

prosthetics

K16 what can be achieved in post production and

through using visual effects

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**Developed by** ScreenSkills

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**Version Number** 2

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**Date Approved** 01 Mar 2017

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**Indicative Review Date** 30 Mar 2020

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**Validity** Current

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**Status** Original

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**Originating Organisation** Creative skillset

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**Original URN** sksfx7

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**Relevant Occupations** Physical Special Effects Professionals, Special Effects Trainee, Special Effects Technician, Special Effects Senior Technician, Special Effects Supervisor

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**Suite** Physical Special Effects

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**Keywords** Prosthetics; Hair; Make up; Effects; Visual; Health and safety

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