Fitness for purpose in its broadest sense: **Possible considerations**	**Resistant materials**
Sustainability of resources	Do the resources used to make the outcome meet the needs of the present without compromising the ability of future generations to meet their own needs? As part of sustainability we need to also consider the difference between recycling , reusing and upcycling of materials and components. What do we know or are able to find out about the production and processing of the materials?
Maintenance	How will repairs be managed? What maintenance will be required? How easy will this be? Who will do it?

	Are the parts easily procured? Is it cost effective to be selfmade? (that is, where is the line between purchasing and manufacturing components?) What is the expected product life?
Determination of life cycle	What will be the life cycle be of all of the components of the outcome? Will there be any opportunities for reuse?
Ultimate disposal	What are the plans for disposal of the outcome when no longer useful/redundant? What will the impact on the environment be?
Practices used in manufacturing	Where relevant outcomes should comply with legislation, for example, with intellectual property law and using the ideas of others.

	See: Technology Online, Intellectual property issues Has permission been gained for all images? Do the practices comply with expected codes of practice and any relevant legislation? Where do the materials originate from and what are the working conditions of employees? Are the manufacturing practices used efficient? What determinants are used to quantify efficiency? Is waste minimised, managed, exploited for profit?
Economics	Are there cost/benefit relationships to be considered in developing the outcome?

	Are wider unseen costs included in feasibility calculations?
Cultural appropriateness of trialling procedures	Have you considered how other cultures or age groups may view designs and imagery and their willingness or not to be involved in trialling as a result of this? Were cultural beliefs around behaviour considered when trialling?
Ethical nature of testing practices	Ergonomics – was the outcome tested on a range of expected users including those with disabilities? Was the outcome tested in the environment that was intended for its use?
Health and safety	Considering health and safety issues when developing outcomes