

PENANG SANGAM HIGH SCHOOL
P.O.BOX 44 RAKIRAKI
HOME ECONOMICS
YEAR 13

Strand	Clothing And Textiles
Sub strand	Equipment Requirements Of Designing Textiles
Content learning outcome	<ul style="list-style-type: none">Recognize the importance of design requirements.

EQUIPMENT

REQUIREMENTS OF DESIGNING TEXTILES

- Designing is a creative process that involves the development of solutions to meet specific end needs and wants.
- All requirements differ from one product to another but generally all designers must consider the following:

1. Functional Requirements

- This refers to how the product would perform, how it is made, the purpose it is made for and what it is made from. It needs to be structurally sound and suited to its intended end use.
- To meet the functional requirements the following questions should be cautiously considered by designers when designing a textile product.

2. Aesthetic Requirements

- Aesthetic requirements refer to the way a product looks in its appearance. If something is aesthetically pleasing it means it is pleasing to the eye.
- Designers ought to pay careful considerations to the aesthetic requirements of their designs so that their products are appealing right from the beginning.

3. Social Requirements

- This refers to how the textile product would deal with its social acceptance, for example; how well it will be accepted by a community or society.
- Social requirements are directly influenced by functional and aesthetic aspects of a design thus, the importance of such requirements.
- If a product does not work well or does not meet its functional requirements then it will be regarded as low- grade and will not be socially accepted.

- Likewise if a product does not meet its aesthetic requirements it will also not be socially accepted.

4. Environmental Requirements

- The textiles industry has made enormous advances. New fibres, fabrics, products and processes have continuously been developed, evaluated and improved.
- Consumers are now able to select from an enormous range of comfortable and fashionable clothing and footwear items which provides comfort and convenience in our lives at home and in the workplace.
- While these advances have benefitted us with an improved quality of life they have come at a cost.
- Designers today are more responsive to this and show great wisdom by creating environmentally friendly products.

Activity

List some clothing requirement for the following professions (one example is done for you)

Profession	Functional	Aesthetic	Social	Environmental
Police officers	Comfortable for easy movement	Look appealing and professional(colour suits working environment)	Accepted by society as a uniform	Made using safe products Laundering and care to not harm the environment
Nurse				
School teachers				
Electricians				