



SUBJECT and GRADE	CONSUMER STUDIES GR 10	
TERM 4	Week 2	
TOPIC	Entrepreneurship	
AIMS OF LESSON	To gain knowledge and understanding of: • Planning for small-scale production • The principles of work simplification to adapt household processes and workflow to produce a product for small scale production at home.	
RESOURCES	Paper based resources	Digital resources
	• Textbooks and the activities in each section of Focus and Oxford textbooks. • Worksheets and its memoranda.	• PowerPoint slide show. • See link in the activities column.
INTRODUCTION	• Planning for small scale production involves the production of goods or items on a scale larger than you would use for household. Using the principles of work simplification make it the easier to run a small-scale production operation. The work areas should fulfill and accommodate the needs of the worker and lead to less strenuous exertion.	
CONCEPTS AND SKILLS	The principles of work simplification to adapt household processes and workflow to produce a product for small scale production at home 1. Planning workflow • This involves identifying the different processes involved in the production of an item and a logical sequence. • A flow chart helps to identify and plan for all the processes involved in production and also assists to identify gaps and missing steps that could compromise production.	Can you answer these questions? • Explain what small-scale production is. • Explain the principles of work simplification • Name the advantages of work simplification. • Explain the role of a flow chart during food and textile production.

	Steps or processes in production • Input - Everything that goes into the system e.g. recipes, patterns, flow charts, materials, ingredients etc. • Process - All the steps involved in making a clothing item or a food product. • Output - The finished product or item. 2. Principles of work simplification • Change or substitute the materials or products - Select materials that will save time and effort. • Modify work process or limit body movements - Use devices that simplify work and less complicated patterns or recipes. • Improve production line - Ensure that the work area comply to the order of the steps to be followed during production. 3. Planning working areas • A workspace is divided into work areas/centres. • In a production unit these are the planning, production, quality control and packing centres. • The work area should meet the needs of the worker and the task to be completed. Work centres or areas • Planning - Used for planning recipes, patterns and style variations, shopping lists flow charts etc.	• Discuss the steps in the production of a chocolate cake or knitting a scarf or making a face mask. Illustrate by using a flow chart. Select the practical option you are currently following at school.
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	• Production: Food production - This area is divided into the food storage area, the mixing centre, the cleaning up centre, and the cooking centre. - Textile production is divided into the layout and cutting area, sewing area, and pressing areas. • Quality control - It is used to quality check and inspect the completed product before it is packed. • Packing - The finished product or item is packed and stored here. 4. Correct dimensions of work surfaces - Apply the principles of ergonomics. - Surfaces should the correct size and height in order to provide comfort and productivity while eliminating fatigue, anxiety and stress on part of the worker. 5. Storage of equipment - Storage area should be well planned to eliminate confusion and fatigue. - Equipment and frequently used tools should be stored where it is easy to reach them - Provision should be made for cold storage, dry, warm and storage for cleaning equipment.	
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ACTIVITIES/ ASSESSMENT	• Summarise the chapters on planning for small-scale production. • Complete the activities in your textbooks. • Click on the link below and complete the activities attached. https://drive.google.com/file/d/1MQ4iLmYfc4AV7h6NaSnKbWNWM6ZbKw5/view?usp=sharing
CONSOLIDATION	- Identify and explain the principles of work simplification. - Explain the work areas as they pertain to the different practical options. - Discuss the processes during production
VALUES	- It is vital that during small scale production attention is paid to the all the processes and areas involved in production as these will ensure a successful product and happy working environment where workers thrive.