

# Module 7

## HOW WILL I MAKE LOTS OF PRODUCTS?



Watch the Module 7 video at:  
[www.clubkidpreneur.com/resource-centre/](http://www.clubkidpreneur.com/resource-centre/)

### PRODUCTION LINES

With your prototype built you are now ready to use this magic formula to build lots of similar products.

The best way to build lots of high quality products is to use a ‘**PRODUCTION LINE**’.

A Production Line is a time-saving process to build a large number of high quality products in the most efficient way.

This is where you break your production process into stages, completing each step for all products before moving on to the next stage.





Here are some benefits of using a production line:

### MAKE BETTER QUALITY PRODUCTS:

- By focusing on one step at a time.
- By asking people with specific skills to help with particular steps.

### MAKE MORE PRODUCTS FASTER:

- By completing each step for all products at the same time.
- By asking others to do some steps.

The process of putting a large amount of letters into envelopes ready to post can be broken into steps.

Here's an example of using a production line to do this: Each step will be completed for all letters before moving on to the next one.

**STEP 1** Fold each letter and put into a pile.

**STEP 2** Put each letter into an envelope. Put all envelopes in a pile.

**STEP 3** Stick a printed address label onto each envelope. Put all addressed envelopes into a pile.

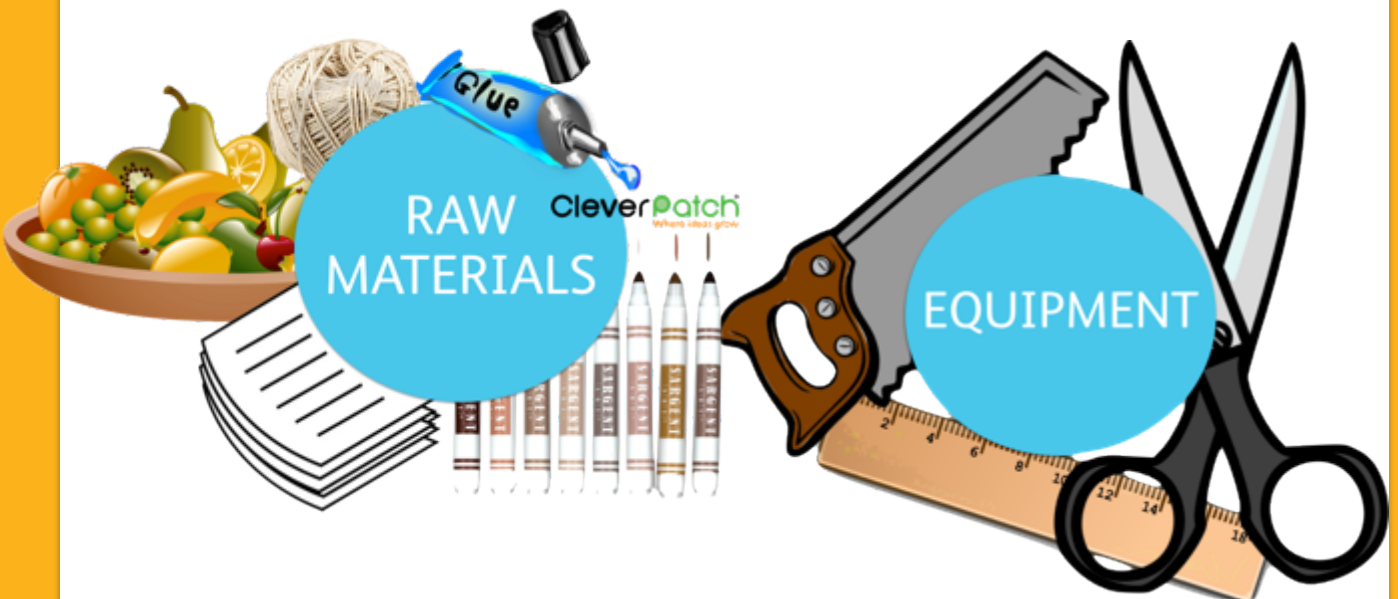
**STEP 4** Put a stamp on each envelope. Put all stamped envelopes into a pile ready for posting.

It will be much quicker to do it this way than to do all steps at once for each letter before starting the next one.

You could also ask friends to help do each step so when a letter is put on one pile, it is taken off the pile by someone else for the next step. Each person will get good at their particular step which will lead to better quality letters at the end!

## RAW MATERIALS VS. EQUIPMENT

Before starting to use a production line, you need to know how many materials you have available to make your products with. There are two types of materials to think about:





## RAW MATERIALS:

Raw Materials are the basic materials which are combined together to make up the final product. Raw materials are used up in the production line.

E.g. For a cupcake business the raw materials are flour, eggs, sugar, patty pans, sprinkles etc. These are used up as the product is made.



### EQUIPMENT:

Equipment includes any tools or machines that are used to convert raw materials into the final product. Equipment is not used up in the production line but is used to make many products.

E.g. for a cupcake business the equipment would be bowls, mixing spoons, cupcake trays etc. These things are not used up while making each cupcake and are used to make many cupcakes over time.



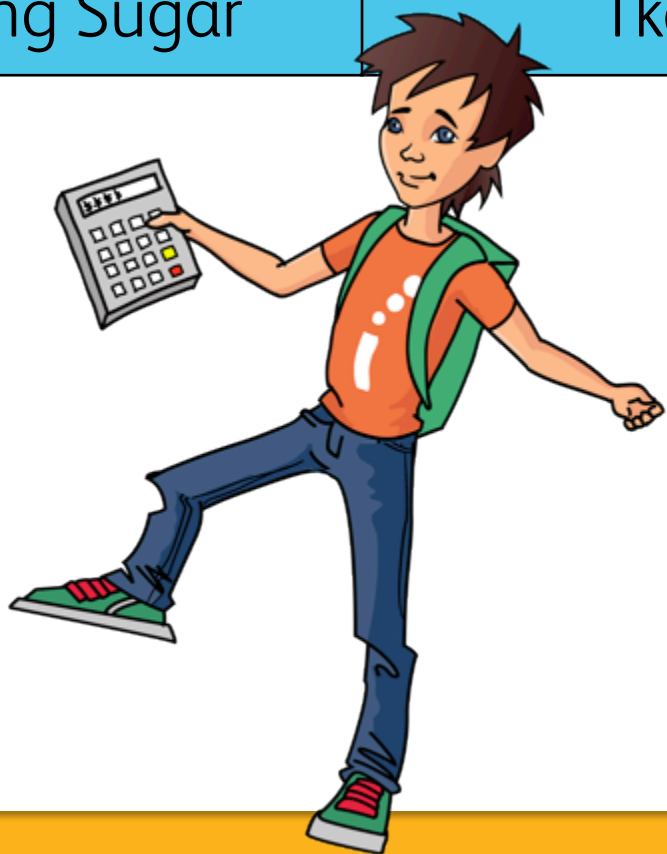
## INVENTORY

One way to know how many raw materials you have available to make your products with is to create an INVENTORY.

An inventory is a list of all the raw materials available to make a product with and how many there are.

An inventory list of the raw materials for a cupcake business might look like this:

Flour	5kg
Eggs	6 Dozen
Sugar	6kg
Milk	4 Litres
Butter	2kg
Patty Pans	100
Sprinkles	500g
Icing Sugar	1kg



# PRODUCTION LINE DESIGN

Imagine you had a business called SPRAYD which makes T-shirts with the business logo spray painted on them using waterproof spray paint. Use the inventory list below to create a production line for making lots of high quality T-shirts with spray painted designs.

## SPRAYD Raw Material Inventory

Raw Material Item	Quantity
White T-shirt Material	10 Rolls
Cotton For Sewing	5 Rolls
Spray Paint Green	6 Cans
Spray Paint Orange	4 Cans
Clear Gloss Finishing Spray	5 Cans

The equipment you have available is:

- Scissors
- Sewing Machine
- Logo Stencil





# SPRAYD PRODUCTION LINE PROCESS

STEP	RAW MATERIALS	EQUIPMENT	PROCESS TIP
Description of each step to make the product	Materials needed for this step	Tools needed for this step	How to make high quality products
1			
2			
3			
4			

# YOUR INVENTORY

Now it's your turn to figure out how many raw materials you have to make your products with using your Production Line

Use the template below to create an inventory list for your raw materials.

Write down each type of raw material you have and how many there are.

RAW MATERIAL ITEM	QUANTITY AVAILABLE

How many products do you think you will be able to make with this inventory?

We can make \_\_\_\_\_ products.

Now make a list of the equipment (tools) you will need to make your product with:

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# YOUR PRODUCTION LINE

Now you can separate your production process into the steps it takes to make your product. Design your own production line by filling in the table below:

	STEP	RAW MATERIALS	EQUIPMENT	PROCESS TIP
	Description of each step to make the product	Materials needed for this step	Tools needed for this step	How to make high quality products
1	E.g. Cut card into square	E.g. Coloured card	E.g. Scissors & ruler	E.g. Cut straight edges
2				
3				
4				
5				
6				

Now you know how you can make lots of high quality products you can get started! Remember, you will need to build enough products to sell so that you can reach your goal.



## CK Business Kit Activity

In your CK Business Kit is a Kidpreneur Watch which can be used as a stop watch to time your production line. Time how long it takes to make one product on its own without using a production line. Then time how long it takes for one product to go from the start to the finish of your production line. Can you use the time to help you get faster at parts of your production line without decreasing the quality of your product?



## GOAL KEEP

Will your production line help you make enough products in time and at a high enough quality that your target market will buy them on your market day?

This is how you will make enough money to reach your sales goal.