

# FOOD STALL (LEVEL 3)

Description	Learners will plan and run their food stalls and determine how much profit						
	they make from them. They will use and apply concepts such as operations						
	on fractions, rounding numbers off, averages of numbers, and making and						
	solving linear equations with one variable to do so.						
Leading question	How much profit can I make from a food stall?						
Subjects covered	Math, English, Art and Design						
Total time required	40-60 min a day for 4 days						
Resources required	Raw ingredients to make food items (as available), plates/ bowls and						
	spoons, paper, and colours (optional)						
Learning outcomes:	By the end of this project, learners will be able to:						
	Knowledge Record Outcomes						
	Knowledge-Based Outcomes: 1. Multiply fractions with whole numbers.						
	2. Calculate Cost Price, Selling Price and Profit.						
	3. Create linear equations with one variable.						
	<ol> <li>Calculate the average of the given quantities.</li> <li>Decend purphere off to the present 10.</li> </ol>						
	5. Round numbers off to the nearest 10.						
	6. Perform operations related to money.						
	21 <sup>st</sup> Century Skill Outcomes:						
	1. Think creatively while making recipes based on available ingredients						
	and designing food stalls.						
	2. Collaborate effectively while seeking feedback and input on pricing.						
	3. Communicate effectively while writing recipes and conducting						
	surveys.						
	4. Think critically while calculating costs, projecting profits, and						
	comparing target profits versus actual profits.						
Previous Learning	Adding, subtracting and multiplying whole numbers						
Ĭ	Representing fractions pictorially and numerically						
Supervision required	Medium						

## Day 1 -

Today, you will start working on your business plans and deciding the theme of your food stall, its name, and your customers.

Time	Activity and Description

		above فوق all الجميع
15 minutes	Introduction-Have you ever eaten from a food stall? What items?-What is your favourite item to eat from a food stall?-If you had your food stall, what kind of food would you sell?	
	Think and share: - How much money do you think food stall owners make in a day? (If needed, prompt learners to think about how much they charge per plate and how many plates of food	Categories Q1. Who are our
	<ul> <li>they sell each day.)</li> <li>How much money do you think they spend to run their food stalls? (If needed, prompt learners to think about the money spent to buy ingredients, utensils etc.)</li> </ul>	Customers? Q2. What food items do we want to sell?
	A food stall is an example of a <b>business</b> . Businesses provide things to people for money.	Q3. What do we want to name our food stall?
	<ul> <li>A successful business brings more money than it spends.</li> <li>When this happens, it is said to make a <b>profit</b>.</li> <li>The <b>Leading Question</b> that we will answer in this project</li> </ul>	Q4. How much money will we need to run our food stall?
	<ul> <li>is: How much profit can I make from a food stall business?</li> <li>To answer this question, we will plan and set up our food stalls and calculate how much money we earn from them!</li> </ul>	Q5. What should be our prices?
	<ul> <li>To make sure that we make as much profit as possible, we need to plan our business carefully. Such a plan made to ensure businesses are successful is called a <b>business plan</b>!</li> </ul>	Q7. How much profit are we targeting?
	<ul> <li>Think and list all the things to consider while preparing your business plan for the food stall.</li> </ul>	How do we know if customers liked our food?
10 minutes	Note: Add any missing questions to consider from the image shown Customers Your customers can be friends/ family/ community members/ schoo customers based on access).	
	To make high profits, you need to make sure that as many customers from their food stalls.	s as possible buy items
	<ul> <li>Think about these pointers and update your business plans:</li> <li>Who will be your customers?</li> <li>How many customers do you want to bring to your food stal</li> </ul>	1?
10 minutes	Theme Now, we will think about what food items we can make and sell!	
	<i>Note:</i> Share the table shown below with the learners. Add or replace on availability.	e any ingredient based

education | التعليد



	Cucumber	Onion	Carrot	Yoghurt	Chilly	
	Bread	Tomato	Lemon	Bean Sprouts	Salt & Pepper	
	<ul> <li>You can plan to include as many ingredients from the table as you like in your recipes but you cannot cook any ingredients to make your food items.</li> <li>How will you choose what food items to sell based on who your customers are? (If needed, prompt learners to think about the kind of foods that their target customers would enjoy)</li> <li>Based on this, decide one food item that you would like to sell and the ingredient you need for it. (If needed, give them some examples of possible food items, such as: Moong Bean Salad: Moong Bean sprouts, cucumber, onion, tomato, coriander, green chilly, salt, lemon, pepper)</li> </ul>					
	Once done, fill in t	ne food items vou	decide to sell in vo	our business plans.		
5 minutes	Name Decide on an excit					
	<b>Note:</b> Encourage learners to think of a name that would make their customers want to try their food, and match the kind of food items they will sell. If needed, give them examples such as Salad Station and Sandwich Club.					
At-home			ndix 2), write a red			
activities			nd their quantities,			
		e steps to follow.	-			
		e fake currency! Yo	our customers will	use this to buy foo	d at your food	
	stall.		_			
			•	otes that they will r	make	
		or example, \$1 and	1 \$5). Imber of customer	·c		
				s. tomer should recei	Ve	
	- Ma	ake an equal numl	per of each denom	ination of currency	/ notes in such a	

# Day 2

Today, you will decide the prices for food items considering their costs and how much profit you want to make.

Time	Activity and Description
10 minutes	<b>Cost Price, Selling Price and Profit</b> How will decide your prices to make sure that you make a profit?
	Profit = Selling Price - Cost Price. - Cost Price is the money you will spend on making one plate of each food item.

	- Solling Price is	the money you w	ill char	go vour custo		ch food item		
	- Selling Price is the money you will charge your customers for each food item.					ch loou item.		
	<b>Note:</b> Use the example related.	cample given below to explain how Cost Price, Selling Price and Profit are						
	- If you buy a p - \$5 = 45 (Proj	•	encil for \$5 (Cost Price) and sell it for \$10 (Selling Price), you make \$10					
		encil for \$5 (Cost P	rice) ar	nd sell it for \$.	5 (Selling Pr	ice), you make \$5 -		
		encil for \$10 (Cost	Price) c	and sell it for .	\$5 (Selling P	Price), you make \$5 -		
15 minutes	Calculating Costs							
	To decide what the Se and the Profit you can	-	d item	should be, yo	u need to k	now its Cost Price		
	First, think and share	how you will calcu	ate the	e Cost Price o	f each food	item.		
	<ul> <li>Note: Explain that the Cost Price would include the costs of ingredients and materials such as plates and spoons. Once done, share the costs of ingredients that learners used in their recipes as shown below.</li> <li>Change units if needed.</li> <li>Inform them that salt and pepper will be provided at no cost (for ease of calculation).</li> </ul>							
	Ingredient	Cost		Ingred	ient	Cost		
	Cucumber		\$5 per kg (5 pieces)		ad	\$2 per packet (10 slices)		
	Onion	\$5 per kg (5 pieces)		Tomato		\$5 per kg (5 pieces)		
	Carrot	\$5 per piec (5 pieces)		Lemon		\$1 per piece		
	Yoghurt	\$3 per cup	)	Moong Bean Sprouts		\$3 per cup		
	Chilly		\$5 per 100 g (5 pieces)				epper	Free
	Bowl/ Plate	\$1 per piec	\$1 per piece		on	₹1 per item		
	Explain how to calculo	ate the cost per rec	ipe usii	ng the examp	le of Moong	g Bean Salad.		
	Ingredient	Quantity	Cos	t Per Unit	Co	ost for Recipe		

education | التعليم فوق above الجميع | all

				China i an	
	Moong Bean sprouts	1 cup	\$3 per cup	1 x 3 = \$3	
	Cucumber	$\frac{1}{4}$ th of a cucumber	$\frac{5}{5}$ = \$1 each	$\frac{1}{4} \times 1 = $ \$0.25	
	Tomato	$\frac{1}{2}$ of a tomato	$\frac{5}{5}$ = \$1 each	$\frac{1}{2}$ x 1 = \$0.5	
	Onion	$\frac{1}{4}$ th of an onion	$\frac{5}{5}$ = \$1 each	$\frac{1}{4}$ x 1 = \$0.25	
	Lemon	$\frac{1}{2}$ of a lemon	\$1 each	$\frac{1}{2}$ x 1 = \$0.5	
	Bowl	1	\$1 per item	1 x 1 = \$1	
	Spoon	1	\$1 per item	1 x 1 = \$1	
		Cost Price		3 + 0.25 + 0.5 + 0.25 + 0.5 + 1 + 1 =₹5.5	
	Learners calculate the Cost Price per serving of each food item and fill in their business plans. <b>Tip:</b> If needed, explain how to reduce fractions to the lowest denominator, as shown.				
15 minutes	Now that you know your cost per recipe, how will you decide the price? If Profit = Selling Price - Cost Price, Selling Price = Cost Price + Profit This means that to decide the Selling Price of each food item, we need to decide how much Profit we want to make when we sell it.				
	<b>Note:</b> Use the example of Moong Bean Salad to support the learners: Selling Price = Cost Price (\$5.5) + Profit (I want to make \$1) Selling Price = \$6.5				
	Decide the Profit the	ey want to make on	each food item and	calculate Selling Prices.	
	below:			e nearest 5 or 10 using the steps	
	<ul> <li>Look at the last digit of the Selling Price.</li> <li>If it is between 1 and 4, round off to the previous 10.</li> <li>If it is between 5 and 9, round off to the next 10.</li> </ul>				

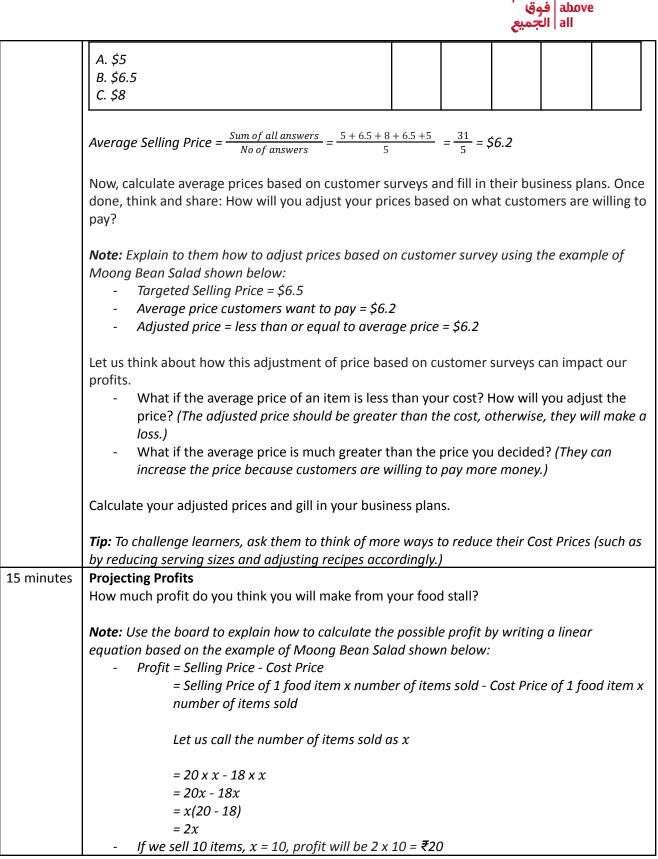


At-home activities	Interview at least 5 of your target customers and u for your food item. You can give three Selling Price options for each for - One less than the Selling Price - One equal to the Selling Price - One greater than the Selling Price.		id what t	hey are	willing to	рау
	<ul> <li>Example:</li> <li>How much should a plate of Moong Bean Salad cost?</li> <li>A. \$5 (\$1.5 lower than the Selling Price)</li> <li>B. \$6.5 (same as the Selling Price)</li> <li>C. \$8 (\$1.5 greater than the rounded-off Selling Price)</li> <li>Note: Share the format below to help them collect data.</li> </ul>					
	Question	Ans 1	Ans 2	Ans 3	Ans 4	Ans 5
	How much should a plate of Moong Bean Salad cost? A. \$5 B. \$6.5 C. \$8					

# Day 3 –

Today, you will adjust prices based on the customer survey, project your profits, and start planning for your food stalls.

Time	Activity and Description						
15 minutes	<ul> <li>Adjusting Prices Based on Customer Survey         <ul> <li>Based on the survey, will your customers pay the Selling Prices you want them to pay</li> <li>If not, how will you adjust them to make sure that your food items sell?</li> </ul> </li> <li>To make sure that food items sell, your price should be less than or equal to the average or middle Selling Price a customer wants to pay.</li> <li>Note: Explain how to calculate average Selling Prices using the example of a sample customer survey on Moong Bean Salad shown below.</li> </ul>						
	Question	Ans 1	Ans 2	Ans 3	Ans 4	Ans 5	
	How much should a plate of Moong Bean Salad cost?	\$5	\$6.5	\$8	\$6.5	\$5	



EAA welcomes feedback on its projects in order to improve. For feedback please use this link <u>https://forms.gle/pVXs3vQEufuzSShs7</u>

تا education



	- If we sell 20 items, $x = 20$ , profit will be $2 \times 20 = ₹40$
	Based on this, make linear equations for your food item, calculate the total profits you think you will make, and fill in your business plans.
	<b>Tip:</b> Remind learners that they can decide the value of $x$ based on the number of customers they had targeted to bring to their food stall.
10 minutes	Planning for Food Stall
	Note: Inform learners about where they will set up their food stalls (their home/ a community
	area/ an area in the school etc)
	Think about these questions to plan for your food stall:
	- What materials do you need to set up your food stalls?
	<ul> <li>How will you set up your food stalls?</li> </ul>
	<ul> <li>How will you decorate your food stalls?</li> </ul>
	- How will you find out if the customers liked your food? (Suggest them to use a simple
	feedback form, as shown [sample in <b>Appendix 3</b> ]).
At-home	<ul> <li>Make any decorative items you need for your food stall.</li> </ul>
activities	- Create the feedback forms.
	- Think about the different tasks you will need to do to run your food stalls.
	<ul> <li>Invite your customers to your food stall the next day!</li> </ul>
	<ul> <li>If any questions in your business plan are still unanswered, discuss them with an elder and answer them.</li> </ul>

## Day 4 –

Today, you will organise your food stall event and calculate how much profit you make.

Time	Activity and Description
10 minutes	Food Stall Set-up         Note: Provide the ingredients to the learners.         Set up your food stalls! Once done, start preparing food and plating your dishes according to your recipe.
15 minutes	Food Stall Event         Note: Distribute the fake currency that learners created among customers. Customers can use it to buy food items.         Ensure that the following tasks are carried out smoothly:       -         Taking orders       -         Delivering orders       -         Preparing food items       -         Storing and keeping track of money



10 minutes	Reflection
	<ul> <li>Calculate the amount of money you made and then think about these questions: <ul> <li>How much profit did you make?</li> <li>How much more or less was this than the profit you projected? Why do you think you made less or more profit?</li> <li>What did your customers think of your stall and food? How do you know?</li> <li>What did you enjoy the most during this project?</li> <li>What did you find challenging?</li> <li>Would you like to set up your food stall when you grow up? If yes, what kind of a food stall would it be?</li> </ul> </li> </ul>
Additional	- Learners can think of health-based themes for their food stalls, such as healthy
enrichment	snacks or balanced meals.
activities:	<ul> <li>Learners can calculate the salaries of different group members, based on the profit earned.</li> </ul>

Modifications	- The section on projecting profits, carrying out customer surveys, and adjusting
for	selling prices based on them can be skipped.
simplification	

## **ASSESSMENT CRITERIA**

A majority of my learners were able to:

□ Design business plans to start and run a food stall business.

□ Create a concept for a food stall, write accurate recipes, prepare ingredients and make dish(es) for customers.

□ Multiply fractions with whole numbers to calculate Cost Prices.

□ Calculate Selling Prices using the concepts of Cost Price and Profit.

□ Project Profit using linear equations with one variable.

 $\Box$  Calculate the average price customers are willing to pay for a food item.

 $\Box$  Compare actual profit with targeted profit.

#### **APPENDIX 1**

**Business Plan Template** 

Categories	Questions to Think About				
Q1. Who are our customers?	<ul> <li>Why is it important to think about who our customers are?</li> <li>If your food stall is set up in the school, who can visit your food stall and buy the items that you sell?</li> </ul>				
Q2. What food items do we want to sell?	• On what basis will you decide this?				



	<ul> <li>Should you only think about what you feel like selling? What else should you think about?</li> </ul>		
Q3. What do we want to name our food stall?	Why is it important to think about the name? Can you recall the names of the food stalls that you have visited? How do you think the food stall owners named them?		
Q4. How much money will we need to run our food stall?	<ul> <li>Why will you need money to run your food stall?</li> <li>What do you think food stall owners spend money on to run their food stalls?</li> </ul>		
Q5. What should be our prices?	<ul> <li>How much did you pay for the items that you ate at the food stalls you visited?</li> <li>Do you think you paid more or less than you should have?</li> <li>How will you find out what other people think about this?</li> </ul>		
Q7. How much profit are we targeting?	<ul> <li>What will decide how much profit you will make?</li> <li>How does the number of customers affect profit? How do prices affect profit?</li> </ul>		
How do we know if customers liked our food?	• Why is it important to think about this? What can you do to get this information?		

#### **APPENDIX 2**

A Sample Recipe - Moong Bean Salad

Ingredients:	1	1	1					
1 cup moong bean sprouts	$\frac{1}{4}$ of a cucumber	$\frac{1}{2}$ of a tomato	$\frac{1}{4}$ of an					
onion								
$\frac{1}{2}$ of a lemon	salt	pepper						
2								
Steps								
Chop the cucumber, tomato and onion into small pieces								
Mix moong bean sprouts with the chopped vegetables								
Add lemon juice								
Add salt and pepper, and mix								

## **APPENDIX 3**

#### A Sample Feedback Form

						education   التعليم above   فوق   الجميع   all
What did you order?	t did you order? 🛛 🗆 Moong bean salad			Vegetable sandwich		
Shade the stars to tell us how will you rate your food.		$\bigcirc$	$\square$	$\checkmark$	$\swarrow$	$\bigtriangleup$