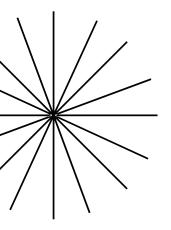


STARFISH ECD COOKBOOK USER-MANUAL



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INTRODUCTION

Early childhood development nutrition is a crucial aspect of ensuring the optimal growth, health, and well-being of young children during their formative years, typically spanning from birth to six years old.

Starfish supports nutrition in ECD with a commitment to providing children with a balanced and nutritious diet, the meals are culturally consistent and contain ingredients widely available in South Africa. Combining nutritious meals with holistic development ensures that children have the essential building blocks for physical, emotional, and cognitive growth. It recognizes the importance of a supportive community, education, and family involvement in nurturing the next generation.



We aim to ensure that every child gets essential daily nutrients such as vitamins, minerals, proteins, fats, and carbohydrates that are necessary for the development of organs, bones, muscles, and the nervous system.



MEAL PLAN

Week 1 Meal Plan

Meal Times	Part	Serving	Monday	Tuesday	Wednesday	Thursday	Friday
	Starch dish	1-2 cups	Maize meal porridge(pg. 9)	Maltabella porridge (pg. 10)	Maize Meal porridge(pg. 9)	Maltabella porridge(pg .10)	Oats porridge(pg .11)
Breakfast	Milk	½ cup	Milk (add to porridge)	Milk (add to porridge)	Milk (add to porridge)	Milk (add to porridge)	Milk (add to porridge)
	Sugar	1 teaspoon	Sugar	Sugar	sugar	Sugar	Sugar
	Starch	2 slices	Brown bread	Brown bread	Brown bread	Brown bread	Brown bread
MidMorning Snack	Filling spread	2 teaspoons	Margarine	Scrambled egg	Peanut butter	Margarine	Peanut butter
Snack	Milk	1 cup (250 ml)	Milk	Milk	Milk	Milk	Milk
	Beverage	Not less than 1 cup	Water	Water	Water	Water	Water
	Protein	1 cup	Chicken stew (pg. 17)	Savoury Samp and Beans (pg. 21)	Savoury mince (pg. 14)	Chicken livers in sauce(pg. 16)	Pilchard fish(pg. 20)
Lunch	Starch dish	½ cup	Rice (pg. 34)	n/a	Spaghetti (pg. 35)	Pap (pg. 33)	Potatoes mashed (pg. 32)
	Vegetables	1 cup	Sweet potato (pg. 29)	Cooked carrots(pg. 26)	Green beans with potatoes(pg . 28)	Morogo/ Spinach(pg. 23)	Beetroot salad (pg. 24)
	Beverage	Not less than 1 cup	Water	Water	Water	Water	Water
Afternoon snack	Snack	Cut into pieces ½ - whole fruit	Fruit	Fruit	Fruit	Fruit	Fruit





NUTRITION PROGRAM

Week 2 Meal Plan

Meal Times	Part	Serving	Monday	Tuesday	Wednesday	Thursday	Friday
Breakfast	Starch dish	1-2 cups	Maize meal porridge(pg. 9)	Maltabella porridge(p g. 10)	Maize Meal porridge(pg. 9)	Maltabella porridge(p g. 10	Oats porridge(pg . 11)
	Milk	½cup	Milk (add to porridge)	Milk (add to porridge)	Milk (add to porridge)	Milk (add to porridge)	Milk (add to porridge)
	Sugar	1 teaspoon	Sugar	Sugar	sugar	Sugar	Sugar
MidMorning Snack	Starch	2 slices	Brown bread	Brown bread	Brown bread	Brown bread	Brown bread
	Filling/ topping/ spread	2 teaspoons	Margarine	Peanut butter	Margarine	Scrambled egg	Peanut butter
	Milk	1 cup (250 ml)	Milk	Milk	Milk	Milk	Milk
	Beverage	Not less than 1 cup	Water	Water	Water	Water	Water
Lunch	Meat dish	1 cup	Bolo cube beef stew (pg. 13)	Lentil stew (pg. 18)	Beef and soya mince stew (pg. 15)	Savoury Samp and Bean (pg. 21)	Macaroni and cheese (pg. 19)
	Starch dish	½ cup	Pap (pg. 33)	Rice (pg. 34)	Mashed potatoes (pg. 32)	n/a	n/a
	Vegetables	1 cup	Cooked cabbage(pg . 27)	Pumpkin (no sugar added)(pg. 25)	Cucumber and tomato slices(pg. 30)	Cooked morogo/ spinach(pg . 23)	Cooked carrots(pg. 26)
	Beverage	Not less than 1 cup	Water	Water	Water	Water	Water
Afternoon snack	Snack	Cut into pieces ½ - whole fruit	Fruit	Fruit	Fruit	Fruit	Fruit

GROCERY LIST

ITEMS YOU NEED FOR THE COOKBOOK RECIPES:

- Beans, dry
- Beef Mince
- Beetroot
- Brown Bread
- Butternut
- Cabbage
- Carrots
- Chicken livers
- Chicken spice
- Chickens, whole, with giblets
- Cooking oil
- Cucumber
- Cumin
- Dry parsley
- Eggs
- Flour
- Fresh Fruit
- Garlic
- Green beans
- Lentils
- Macaroni
- Maize meal
- Margarine
- Milk
- Morogo/spinach
- Oats

- Oats
- Oil
- Onion
- Orange juice
- Peanut butter
- Pilchards
- Porridge
- Potatoes
- Pumpkin
- Rice
- Salt
- Samp
- Shredded cheddar cheese
- Soup, cream of chicken
- Soup, tomato
- Soya mince, beef
- Spaghetti
- Sugar
- Sweet potatoes
- Tomato, fresh
- Tomato, paste
- Tomato, tinned
- Topside, cubes
- Vinegar, white
- Water





CALCULATING FOR YOUR SCHOOL SIZE

Calculation Example - Chicken Stew

Ingredients

For 10 Portions					
Chickens, whole, with giblets	800 g				
Oil	50 ml				
Onions	120 g				
Potatoes	500 g				
Carrots	170 g				
Green beans	180 g				
Soup, cream of chicken	30 g /1/2 pkt				

ECD Factor

How many children are in your school?	23
Divide number of kids by 10 to get factor	2.3

Ingredient	Amount for 10 kids
Chicken	800 g
Oil	50 ml
Onions	120 g

	Factor for ECD				
Χ	2.3				
Χ	2.3				
Χ	2.3				

Amount for your ECD
1820g
115ml
270g





Breakfast







Number of children in ECD divide by 10

For 10 Portions X ECD Factor = Amount for ECD

Mealie meal 250g

Water 750ml

Directions

- 1. Mix mealie meal with a little cold water to make a paste.
- 2. Bring rest of water to the boil in a pot.
- 3. Stir mealie meal paste into boiling water.
- 4. Simmer until cooked, 45 60 minutes.
- 5. Serve.

South African mielie meal is fortified with valuable micronutrients: 1) Iron – helps prevents iron deficiency anaemia. 2) Vitamin A – helps maintain the health of eyes, mouth, gut and lungs as well as fighting infections.

3) B vitamins – help to regulate metabolism and release energy.





ECD factor = Number of children in ECD divide by 10

Fo	r 10 Portions	X ECD Factor	= Amount for ECD
Porridge	250g		
Water	50 ml		
salt	120 g		

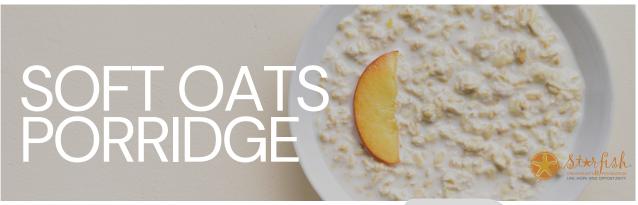
Directions

- 1.Mix porridge with a little cold water to make a paste.
- 2.Bring rest of water to the boil in a pot.
- 3.Stir porridge paste into boiling water.
- 4.Simmer on low heat for one hour.
- 5.Serve.



Serve with: Milk Sugar





ECD factor = Number of children in ECD divide by 10

For 10 Portions X ECD Factor = Amount for ECD

Oats 250g

Water 750ml

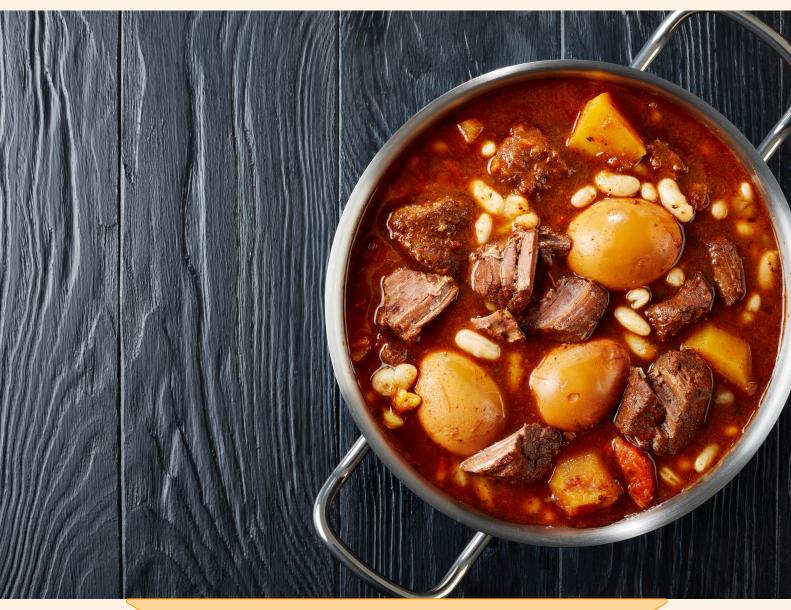
Directions

- 1. Bring water to the boil in a pot.
- 2. Stir oats into the boiling water.
- 3. Simmer until cooked, on low heat for one hour.
- 4. Serve.

Benefits of Oats porridge

- · Oats are incredibly nutritious
- · Whole oats are rich in antioxidants
- · Oats contain a powerful soluble fiber
- Oats can lower cholesterol levels
- Oats can improve blood sugar
- Oatmeal is very filling and may help you lose weight
- Finely ground oats may help with skin care.





Mains & Protein!







ECD factor =
Number of
children in ECD
divide by 10

For 10 Porti	ons	X ECD Factor	= Amount for ECD
Onions	50g		
Potatoes	90g		
Cooking oil	18ml		
Topside cubes	155g		
Salt	2g		
Water	36ml		
Tomatoes	50g		

Directions

- 1.Peel vegetables and chop coarsely,
- 2.Heat the oil in a steam pot
- 3. Add beef cubes to heated oil and fry
- 4. Add onions, potatoes and tomatoes, fry and stir occasionally
- 5. Add water to the meat mixture and bring to boil.
- 6.Simmer until nearly tender: 20 min
- 7.Serve



- Rice pg. 34
- Pap pg. 33





ECD factor = Number of children in ECD divide by 10

For 10 Po	rtions	X ECD Factor	= Amount for ECD
Onions	60g		
Cooking oil	6ml		
Mince	400g		
Water	119ml		
Salt	3g		

Directions

- 1. Peel and finely chop onions
- 2. Heat cooking oil in pot, add onions and Fry
- 3. Add mince to onions and fry
- 4. Once browned, add curry and salt to taste, add water and simmer for 20minutes.
- 5. Serve



Serve with:

• Spaghetti - pg. 35



ECD factor = Number of children in ECD divide by 10

For 10 Portions		X ECD Factor	= Amount for ECD
Soya mince, beef /savoury	180g		
Water (amount according to manufacturer directions)	-		
Oil	20 ml		
Beef mince	500g		

Directions

- 1. Place soya mince in a pot and cover with water.
- 2. Gently heat and bring to simmer, stir now and then, and cook for 20 minutes.
- 3. Heat oil in a pot.
- 4. Add mince and brown, cook for 15 minutes.
- 5. Add soya mince and cook together for 15 minutes, stir every 5 minutes.
- 6. Add extra water if needed to keep moist, but not runny.



- Mashed Potato pg. 32
- Cucumber and tomato slices - pg. 30





divide by 10

Ingredients

For 10 Portion	s	X ECD Factor	= Amount for ECD
Onions	300g		
Chicken Livers	1Can		
Tomato tinned	1Can		
Salt	5g		
Oil	40ml		

Directions

- 1. Peel and finely chop onions
- 2. Heat cooking oil in pot, add onions and Fry
- 3. Add tomatoes and a little water, allow to cook fully
- 4. Once cooked, add curry and salt to taste, allow to simmer for 3 minutes.
- 5. Add pilchards and seasoning if desired
- 6. Serve



- Mashed Potato pg. 32
- Beetroot Salad pg. 24





Number of children in ECD divide by 10

For 10 Portions		X ECD Factor	= Amount for ECD
Chickens, whole, with giblets	800 g		
Oil	50 ml		
Onions	120 g		
Potatoes	500 g		
Carrots	170 g		
Green beans	180 g		
Soup, cream of chicken	30 g /1/2 pkt		

Directions

- 1. Remove giblets from chickens, place aside.
- 2. Clean chickens and remove excess fat.
- 3. Place chickens in a pot with just enough water to cover, bring to boil and cook until meat is cooked.
- 4. Drain chickens, and reserve cooking water. Cool chickens.
- 5. Prepare vegetables; peel and chop onion, peel and slice potato, peel and chop carrots, top and tail and chop green beans.
- 6. Remove meat from chickens and cut big pieces smaller.
- 7. Add oil to pot and heat, add onion and brown.
- 8. Add other vegetables and prepared chicken and simmer.
- 9. While chicken is cooking clean giblets and chop / mince them. Cook in a small pan, then add to the chicken stew.
- 10. Mix soup with cold water, add to the chicken and simmer for 5 minutes.



- Rice pg. 34
- Sweet Potato pg. 29





divide by 10

Ingredients

For 10 Portions		X ECD Factor	= Amount for ECD
Lentils	200 g		
Onion	300 g		
Carrots	200 g		
Garlic	6 cloves		
Water	1/2 cup		
Cumin	10 ml		
Tomato paste	50 g		
Tomatoes (fresh or tinned)	200 g		

Directions

- 1. Cover lentils with hot water, and leave to soak while preparing other ingredients.
- 2. Peel and chop onion, peel and grate carrot, peel and crush garlic. Combine with water and cook over medium heat until onion is soft.
- 3. Stir in the cumin and cook for 1 2 minutes, stirring all the time.
- 4. Add tomato paste and continue to stir for 1 2 minutes.
- 5. Add chopped tomatoes.
- 6. Drain lentils and add to soup mix and add enough water to cover.
- 7. Simmer for about 20 30 minutes, or until lentils are cooked.
- 8. Mix soup powder with a little cold water; pour into the lentil mix, stirring all the time. Simmer for 3 minutes.
- 9. Add extra hot water if needed.



- Rice pg. 34
- Pumpkin pg. 25





divide by 10

For 10 Portions		X ECD Factor	= Amount for ECD
Macaroni	224g		
Flour	27g		
Oil	120 ml		
Salt	2.5 g		
Milk	480ml		
Shredded cheddar cheese	180 g		
Water	200ml		

Directions

- 1. Cook the macaroni in salted water until tender.
- 2. In medium saucepan, add oil, heat in medium heat;
- 3. Stir in flour, salt and slowly add milk.
- 4. Cook and stir until bubbly.
- 5. Stir in cheese until melted.
- 6. Drain macaroni; add to cheese sauce; stir to coat.
- 7. Serve.



Serve with:

• Cooked Carrot - pg. 26



For 10 Porti	ions	X ECD Factor	= Amount for ECD
Onions	300g		
Pilchards	1Can		
Tomato tinned	1Can		
Salt	5g		
Oil	40ml		

Directions

- 1. Peel and finely chop onions
- 2. Heat cooking oil in a pot, add onions and Fry
- 3. Add tomatoes and a little water, allow to cook fully
- 4. Once cooked, add curry and salt to taste, and allow to simmer for 3 minutes.
- 5. Add pilchards and seasoning if desired
- 6.Serve



- Mashed Potato pg. 32
- Beetroot Salad pg. 24





divide by 10

Ingredients

J				
For 10 P	ortions	X ECD Factor	= Amount for	ECD
Samp	600 g			
Beans, dry	200 g			
Oil	40 ml			
Onion	270 g			
Garlic	3 cloves			
Tomatoes	380 g			
Chicken spice	20 ml			

Directions

- 1. Cover samp with water, set aside to soak overnight.
- 2. Cover beans with water, set aside to soak overnight.
- 3. In the morning drain beans and place in a pot with water, bring to the boil. Allow to boil for 20 minutes.
- 4. Drain samp. Drain beans.
- 5. Combine samp and beans and water and boil until tender (do not add salt
- 6. Drain.
- 7. Heat oil in a pan.
- 8. Chop onions, garlic, and tomatoes.
- 9. Add onions to the oil and cook until brown, add garlic and cook until it just starts to turn brown, add tomatoes.

Cook for 5 minutes.

10.Stir seasoning and salt into onion mixture and add this to the samp and beans.

11. Heat through and serve.







Vegetables







For 10 Portions X ECD Factor = Amount for ECD

divide by 10

Onions 300g

Cooking oil 10ml

Spinach (Morogo) 1 Bundle

Water 119ml

Salt 3g

Directions

- 1. Heat the oil in a frying pan and add the onion, seasoning. Fry gently until soft.
- 2. Add spinach or morogo leaves and a little water. Cook for about 10 minutes, stirring occasionally and adding a little extra water if necessary.
- 3.Serve



- Savoury Samp and Beans - pg. 21
- Pap pg. 33
- Chicken Livers pg. 16





For 10 Port	ions	X ECD Factor	= Amount for ECD
Beetroot	500g		
Water	20ml		
Vinegar, white	40ml		
Sugar	40g		
Salt	3g		

Directions

- 1. Prepare beetroot by slicing off leaves and long root, but leaving a 1cm stub of each.
- 2. Place in pot and boil until tender.
- 3. Peel and grate or slice.
- 4. Mix other ingredients with beetroot.
- 5. Chill.



- Mashed potato pg. 32
- Pilchard pg. 20





For 10 Portions X ECD Factor = Amount for ECD

Butternut 460g

children in ECD divide by 10

Cinnamon, fine (optional) 1ml

Directions

Cooking oil

1. Bring small amount of water to boil in pot.

63ml

- 2. Wash butternut, peel, remove seeds, and slice into blocks (20x20x20mm).
- 3. Add butternut to pot and bring to boil, the water must only just cover the butternut.
- 4. Cook until just tender.
- 5. Drain.
- 6. Add margarine to the butternut and stir.
- 7. Optional: sprinkle cinnamon on mix and stir OR sprinkle on portions for older children.
- 8.Serve



- Lentil Stew pg. 18
- Rice pg. 34





ECD factor =
Number of
children in ECD
divide by 10

For 10 Port	ions	X ECD Factor	= Amount for ECD
Fresh carrots	500g		
Cooking oil	30ml		
Sugar	27g		

Directions

- 1. Wash and scrape carrots as near to cooking time as possible
- 2. Place peeled, sliced carrots in boiling water, just to cover the base of the pot,
- 3. Add cooking oil, replace lid and cook for 10 minutes, or until tender.
- 4. Serve



- Savoury Samp and Beanspg. 21
- Mac and Cheese pg. 19





ECD factor = Number of children in ECD divide by 10

For 10 Port	tions	X ECD Factor	= Amount for ECD
Cabbage	970g		
Cooking oil	24ml		
Salt	5g		
Water	50ml		

Directions

- 1. Shred the cabbage and put in a pot. Simmer in a little water until soft
- 2. Add cooking oil and braise the cabbage.
- 3. Add salt to cabbage and mix lightly
- 4. Serve



- Bolo Cube Beef Stew pg. 13
- Pap pg. 33





ECD factor = Number of children in ECD divide by 10

For 10 Port	ions	X ECD Factor	= Amount for ECD
Potatoes	100g		
Onions	25g		
Green beans	280g		
Margarine, yellow, brick	25g		

Directions

- 1. Bring a pot with a little water to the boil.
- 2. Wash, peel and dice potatoes.
- 3. Peel and dice onions.
- 4. Wash top, tail and slice green beans.
- 5. Add potatoes and onion to the water and bring to the boil.
- 6. Boil potato and onion mixture for 5 minutes.
- 7. Add green beans to potato and onions, and bring to boil.
- 8. Cook until just tender, then drain.
- 9. Add margarine to the vegetable mix and stir.
- 10. Serve.



- Savoury Mince pg. 14
- Spaghetti pg. 35





ECD factor = Number of children in ECD divide by 10

For 10 Po	rtions	X ECD Factor	= Amount for ECD
Sweet potatoes	800 g		
Cooking oil	50 ml		

Directions

- 1. Peel and wash as near to cooking time as possible
- 2. Place peeled, cubed sweet potatoes in boiling water, just to cover,
- 3. Add cooking oil, replace lid and cook for 25 minutes, or until just tender.
- 4. Mash together.
- 5. Serve

Nutritional Information

One cup, or 200 grams (g), of baked orange sweet potato with skin provides 213% of the Daily Value (DV) of Vitamin A. Where possible, *ORANGE* sweet potatoes should be used!



- Chicken Stew pg. 17
- Rice pg. 34





ECD factor = Number of children in ECD divide by 10

For 10 Po	rtions	X ECD Factor	= Amount for ECD
Tomatoes	600g		
Cucumber	5Og		
Orange juice, pure	25ml		

Directions

- 1. Wash and slice cucumber and tomatoes,
- 2. Place in mixing bowl.
- 3. Mix cucumber and tomatoes pour the orange juice over. OR Add salt to taste
- 4. Chill until served.



- Mashed Potato pg. 32
- Soya Mince pg. 15







Carbohydrates







Number of children in ECD divide by 10

For 10 Portio	ns	X ECD Factor	= Amount for ECD
Potatoes, for boiling.	1200 g		
Milk.	100 ml		
Water, drained from potatoes, if needed.	100 ml		

Directions

- 1. Bring water in pot to boil.
- 2. Wash and peel potatoes, cut into quarters.
- 3. Add potatoes to boiling water, and cook until tender.
- 4. Drain water from potatoes, keeping some aside for if needed in mashing.
- 5. Add milk to potatoes, and mash.
- 6. Add extra water if needed and mash till consistency is even.
- 7. Serve.



- Soya Mince pg. 15
- Pilchard Fish pg. 20





Number of children in ECD divide by 10

For 10 Porti	ons	X ECD Factor	= Amount for ECD
Maize meal	720g		
Water	1L		

Directions

- `1. Bring water to boil in a pot
- 2. add maize meal
- 3. Stir thoroughly until smooth and cover with a lid
- 4.Reduce heat and simmer for 35 minutes
- 5. Stir occasionally
- 6. Serve

Average Value	Unit	Per 100g
Energy	(kJ)	1457
Protein	(g)	8.1
Glycaemic Carbohydrate	(g)	73
Total Fat	(g)	1.4
Total Dietary Fibre	(g)	3.0
Total Sodium	(mg)	<1
Vitamin A (mcg RE)	(mcg RE)	188
Thiamine (Vit B1)	(mg)	0.3
Riboflavin (Vit B2)	(mg)	0.2
Niacin (Vit B3)	(mg)	3.0
Pyridoxine (Vit B6)	(mg)	0.4
Folic acid	(mcg)	189
lron	(mg)	3.7
Zinc	(mg)	1.9







- Mince pg. 14
- Chicken Stew pg. 17
- Beef Stew pg. 13







divide by 10

For 10 Portions		X ECD Factor	= Amount for ECD
Cooking oil	5 ml		
Rice	250g		
Salt (optional)	5ml		

Directions

1. In a saucepan with a good fitting lid bring water, salt and butter if desired to a boil.

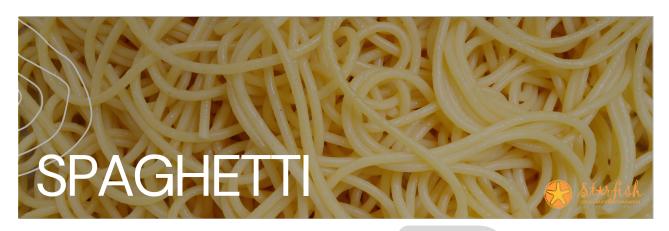
- 2. Add rice and stir.
- 3. Cover and reduce heat to medium low. You will know that your temperature is correct if a little steam is visible leaking from the lid. A lot of steam means your heat is too high.
- 4. Cook for 20 minutes.
- 5. DO NOT LIFT LID!
- 6. Remove from heat and fluff with a fork.
- 7. Serve!



- Mince pg. 14
- Chicken Stew pg. 17
- Beef Stew pg. 13







ECD factor = Number of children in ECD divide by 10

For 10 P	Portions	X ECD Factor	= Amount for ECD
Spaghetti	1kg		
Cooking oil	30ml		
Water	250ml		
Salt to taste	2g		

Directions

- 1. Add water to the pot, bring to a boil
- 2. Add cooking oil, then spaghetti
- 3. Bring to a boil for 10 minutes and let simmer for 10 minutes
- 4. Serve.



Serve with:

• Savoury Mince - pg. 14

CONCLUSION



This cookbook tailored for Early Childhood Development (ECD) centers, it offers a rich tapestry of nutritious recipes designed to nourish young minds and bodies. Through its pages, we've embarked on a flavorful journey, discovering the immense importance of wholesome eating habits in the critical early years of a child's development.

As you go through the meal plan you see there are different dishes for each day which helps expose the child to different tastes and also helps with improving the child's taste buds. This shows that the child must at least have 2 snacks a day, breakfast and lunch, which is really crucial as they spend a long time at the ECD center. The eating routine is very important, which is why the format of the meal plan is designed in this way.

Frequently Asked Questions

WHAT MAKES THIS COOKBOOK SUITABLE FOR EARLY CHILDHOOD DEVELOPMENT (ECD)?

 This cookbook is specifically tailored for ECD by providing nutritious recipes that cater to the unique dietary needs and tastes of young children. Each recipe is carefully crafted to ensure it contains essential nutrients vital for growth and development, while also appealing to young palates.

HOW DO THESE RECIPES PROMOTE HEALTHY EATING HABITS IN YOUNG CHILDREN?

 These recipes are not only delicious but also serve as valuable teaching tools for promoting healthy eating routines. By incorporating a variety of fruits, vegetables, starch, and proteins, children are exposed to a diverse range of nutrients and flavors, helping to expand their palates and encourage a lifelong love of nutritious foods.

ARE THE RECIPES IN THIS COOKBOOK EASY TO PREPARE?

 Yes, the recipes in this cookbook are designed to be simple and straightforward, making them ideal for busy caregivers and educators. Many of the recipes require minimal ingredients and basic cooking skills, allowing for easy preparation in any kitchen setting.

ACKNOWLEGDE

All recipes and portion recommendations have been adapted from the South African Department of Health.

Department of Health, South Africa. 2016. Nutrition Guidelines for Early Childhood Development Centres.



