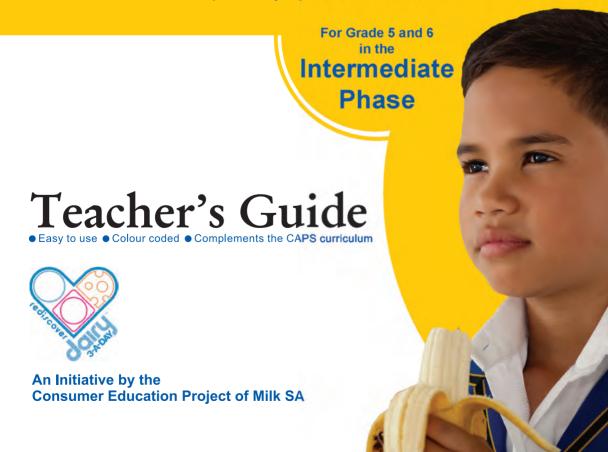
Guidelines for healthy eating



Accompanied by a poster and handouts





Staying healthy with the

Food-Based Dietary Guidelines for South Africa: A quick guide

FBDGs For South Africa What they are



Why each is important

Read more about the what and why of the FBDGs on pages 1–4.



Enjoy a variety of foods.

- ☑ To get all the nutrients needed for a healthy body in the right amounts
- ✓ To protect us against lifestyle diseases



Be active!

- ☑ To maintain a healthy weight
- ✓ For a healthy heart and strong bones and muscles
- ☑ To combat stress



Make starchy foods part of most meals.

- ✓ For sustained energy
- ✓ To get important micronutrients and fibre



Eat plenty of vegetables and fruit every day.

- ✓ To fight off disease and stay healthy
- ✓ For fibre and to help with digestion



Eat dry beans, split peas, lentils and soya regularly.

- ☑ To provide important fibre and feel fuller for longer
- ✓ To protect against many lifestyle diseases



Have milk, *maas* or yoghurt every day.

- ✓ To build strong bones and to keep teeth healthy
- ☑ To protect against many lifestyle diseases
- ☑ To keep body weight and blood pressure in check



Fish, chicken, lean meat or eggs can be eaten daily.

- ✓ To grow well
- ✓ To build and repair muscle tissue



Drink lots of clean, safe water.

☑ To stay hydrated so that the body can work well



- Use fats sparingly; choose vegetable oils rather than hard fats.
- ✓ For a healthy heart
- ✓ For good brain development
- ☑ To maintain a healthy weight



Use sugar and foods and drinks high in sugar sparingly.

- ⊗ To prevent diabetes
- ⊗ To prevent overweight
- ⊗ To prevent tooth decay



Use salt and food high in salt sparingly.

- To protect against high blood pressure
- ⊗ For a lower risk of stroke

Look out for these features throughout the guide:

Supermoo reminds you of:

★ What the FBDGs are

are Poss 1 4

Why they are important

? How to use the FBDGs

Page 6_8

Engaging activities

.....Page 5

.....Page 9–10

WORD BOX

These are important words about nutrition, explained in the glossary on page 11.

TAKE NOTE:

We give useful hints about healthy eating on every page.

Developed by the Consumer Education Project of Milk SA

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Read more about how to make the FBDGs part of your lifestyle on pages 8–10.

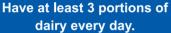
Eat 3 mixed meals a day.



Choose unrefined or minimally processed starches like whole grains, whole wheat cereals and sweet potato.

Have at least 5 portions of vegetables and fruit every day.

Add legumes and pulses to stews, starchy foods and soups.



1 cup of *amasi* (200 ml) 1 cup of milk (250 ml) 2 small tubs of yoghurt (2x100 g)

Have a portion of meat as big as the size of your palm once a day.

Have 6–8 glasses of water every day.

Eat small amounts of avocado, nuts and seeds and cook with sunflower or canola oil.

Do not have more than 6–9 teaspoons of added sugar per day.

Limit your salt intake to 1 teaspoon per day.









































FBDGs For South Africa

What each means and Why it is important

WORD BOX

diet food healthy diet lifestylediseases mixed meal nutrients







About the food-based dietary guidelines for South Africa

The food-based dietary guidelines (FBDGs) for South Africa are 11 messages about healthy living.

- Enjoy a variety of foods.
- Be active!
- Make starchy foods part of most meals.
- Eat plenty of vegetables and fruit every day.
- Eat dry beans, split peas, lentils and soya regularly.
- Have milk, maas or yoghurt every day.
- Fish, chicken, lean meat or eggs can be eaten daily.
- Drink lots of clean, safe water.
- Use fats sparingly; choose vegetable oils rather than hard fats.
- Use sugar and foods and drinks high in sugar sparingly.
- Use salt and food high in salt sparingly.

These guidelines have been developed specifically for our country to take into account the typical South African diet, people's food preferences and food availability. Each guideline is phrased as a brief, active message and in plain language to help consumers choose foods that promote overall health and prevent lifestyle diseases. The general approach is to give dietary guidance that refers to foods rather than nutrients. This is because people eat food, not individual nutrients, and it is food as a whole that affects our health.

A healthy diet is varied and balanced. We should try to eat three mixed meals a day to give the body everything it needs to stay active, grow and repair body tissues, and build up its defence against disease. We also need to eat these foods in the right proportions. The South African FBDGs incorporate sound advice about both the type and the proportions of foods to guide our choices.

- ✓ For a healthy body
- ☑ To protect us against lifestyle diseases

Be active!

Physical activity is an important part of keeping healthy. It helps to build a strong body, keeps our hearts healthy and our body weight in check, and helps us to manage stress. Combined with a healthy diet, physical activity helps to lower the risk of many lifestyle diseases.

- ☑ To maintain a healthy weight
- ☑ For a healthy heart and strong bones and muscles
- ☑ To combat stress

TAKE NOTE:

For a proper mixed meal, try to always have two or three food groups on your plate, to include a variety of vitamins and minerals.

























Make starchy foods part of most meals

Starchy foods are a source of carbohydrates, which give us energy. This guideline tells us our diet should include foods such as whole grains, cereals and root vegetables like potatoes and sweet potatoes. These foods are generally affordable and form part of many traditional eating patterns.

The starchy foods in our diet need to be unrefined or minimally processed, as these give us sustained energy. They also contain important micronutrients and fibre, which are important for adequate nutrition and good digestion. Research shows that a diet rich in unrefined starchy foods like these helps to curb lifestyle diseases such as diabetes, overweight and obesity, cardiovascular disease and some types of cancer.

- ✓ Sustained energy
- ✓ To get micronutrients and fibre



Eat plenty of vegetables and fruit every day

Eating vegetables and fruit gives us vitamins and minerals and adds fibre to our diet. Many South Africans do not eat enough vegetables and fruit, and so do not get enough of these nutrients for good health. The word 'plenty' encourages us not only to eat enough vegetables and fruit but also to choose a variety.

A diet rich in vegetables and fruit builds up the immune system and lowers the risk for many lifestyle diseases. Eating lots of vegetables and fruit is especially important for children to prevent vitamin deficiencies, support a healthy immune system and normal growth, and prevent early onset of lifestyle diseases such as obesity and overweight.

- ✓ To fight off disease and stay healthy
- ✓ For fibre and to help with digestion

Eat dry beans, split peas, lentils and soya regularly

These foods are called legumes and are a good sources of plant-based protein and carbohydrates that give us sustained energy. They are also an excellent source of fibre and provide important micronutrients. Making these foods part of our diet helps to protect us against lifestyle diseases and adds nutritional value to our diets. Because these foods are nutrient rich yet affordable, eating them often means we can have a healthy diet even when money is tight.

- ☑ To get important fibre
- ☑ To feel fuller for longer
- ☑ To protect against many lifestyle diseases



carbohydrates fibre legumes micronutrients nutrient rich obesity protein







TAKE NOTE:

Choosing vegetables and fruit of different colours is a good idea to make sure we include a variety of important vitamins and minerals in our diet.



FBDGs For South Africa

















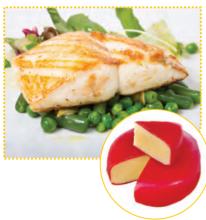






calcium dairy dairy matrix diabetes fermented lean meat maas (amasi) probiotics







🛂 Have milk, *maas* or yoghurt every day

Milk and the products made from milk are called dairy. Milk contains good-quality protein and calcium, as well as minerals such as potassium, phosphorus, magnesium and zinc, and vitamins A, B12 and B2. This means milk and dairy products are nutrient rich. Making dairy part of the daily diet can help provide sufficient calcium, potassium and vitamin A to everyone, which are three of the four nutrients lacking in many South Africans' diet.

What makes milk and dairy so unique is the way the nutrients work together – this teamwork refers to the so-called dairy matrix effect. Research shows that having enough dairy daily can help to protect us against lifestyle diseases such as heart disease and high blood pressure, overweight and obesity, diabetes, and some cancers. The slightly sour taste of fermented dairy products such as maas (amasi) and yoghurt and their probiotics help with good digestion.

Milk and dairy products are the best sources of dietary calcium. Calcium is essential for building strong bones and healthy teeth and helps to keep our hearts and blood vessels healthy and body fat in check. It is especially important for growing children and teenagers to get enough calcium. Without milk and dairy in the diet, it is difficult to meet the calcium needs of the body.

- ☑ To build strong bones and healthy teeth
- ☑ To protect against many lifestyle diseases
- ☑ To keep body weight and blood pressure in check



Fish shi

Fish, chicken, lean meat or eggs can be eaten daily

Making these foods part of our diet gives our bodies protein, which the body needs for growth, repair of tissue and for building strong muscles. These foods also contain micronutrients such as zinc, iron and vitamins A and B12, which are important for overall health and making the energy in food available to our bodies.

It is important to remember that this guideline emphasises having lean meat. This means eating meat from which visible fat has been trimmed and chicken without the skin.

- ✓ To grow well
- ✓ To build and repair muscle tissue



TAKE NOTE:

Cheese is a good source of both calcium and protein. Eating a piece of cheese after a meal can also help to prevent tooth decay.



























👸 Drink lots of clean, safe water

Water is essential for good health. The body uses water to dissolve and transport nutrients and waste products, keep cool and keep cells functioning well.

We get some water from the food we eat, but most should come from fluids. The guideline recommends choosing water as the preferred drink, simply because it keeps us well hydrated without us taking in unnecessary additives. Access to clean, safe water is essential at school and especially during sporting activities.

☑ To stay hydrated so that the body can work well

Use fats sparingly; choose vegetable oils rather than hard fats

Fats are an important **food group**, because they give our bodies energy, help with brain development and keep our cells healthy. But it is important to consider not only how much but also what type of fat we eat. Fats should make up less than a third of our daily energy intake. Vegetable oils, such as those from nuts, seeds or avocadoes, contain unsaturated fat, which is healthier for our hearts than saturated fats from meat and animal products.

- ✓ For a healthy heart
- ✓ For good brain development
- ✓ To maintain a healthy weight



Use sugar and foods and drinks high in sugar sparingly

This guideline tells us to try to limit the amount of sugary snacks and sugar-sweetened beverages in our diet. This is because sugary foods provide lots of energy, but few other nutrients; they are so-called 'empty-energy' foods. Too much sugar in the diet can lead to weight gain, promote type 2 diabetes and cause dental caries.

- ⊗ To prevent diabetes
- ⊗ To prevent overweight
- ⊗ To prevent tooth decay



Use salt and food high in salt sparingly

The body needs salt, but only in small amounts. Eating too much salty food can raise blood pressure, which leads to a higher risk for heart disease and stroke. Potato crisps and processed foods such as soup powder, stock cubes and cold meats generally contain lots of salt. These are best eaten only occasionally.

- ⊗ To protect against high blood pressure
- ⊗ For a lower risk of stroke

TAKE NOTE:

Flavoured milk is an excellent sports drink to help you rehydrate and recover after exercise.



beverage dental caries food group hydrated saturated fat stroke unsaturated fat







Food diary

Activity sheet Dear Diary Yesterday I ate the following: For breakfast I had _____ and at first break at school I ate _____. I also had some ______ to drink. When the bell rang for second break, I started snacking on some _____ At lunchtime I ate _____ and drank some . I got quite hungry before dinner was ready, so I When dinner was finally ready, I had ______ together with and _____ . I also drank some at dinner. But today at school we learnt about healthy eating. I am so excited to improve on my diet and I am going to try my best to have a healthy, balanced diet. I am going to start my healthy diet by eating _____ for breakfast. Also, instead of eating lots of ______, I'm rather going to have _____.

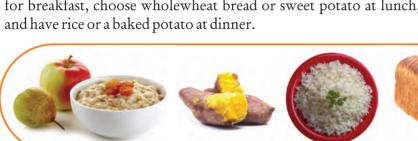


FBDGs every day

Understanding the South African FBDGs makes it easy to choose healthy foods. Remember to read **food labels** to see what nutrients products provide.

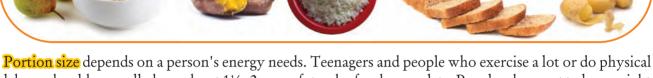
Starchy foods

We should try to have starchy foods with every meal. Porridge made from fortified maize, sorghum or oats is a good idea for breakfast, choose wholewheat bread or sweet potato at lunch, and have rice or a baked potato at dinner.



WORD BOX

food label legumes portion size seasonal



Portion size depends on a person's energy needs. Teenagers and people who exercise a lot or do physical labour should generally have about 1½–2 cups of starchy foods on a plate. People who want to lose weight should best have only about ½–1 cup of starchy food on their plate.

Vegetables and fruit

We should try to eat at least 5 fist-sized portions of vegetables and fruit a day. We can have vegetables raw or cooked, for example cooked vegetables with dinner or a salad as part of lunch. Fresh or dried fruit is a healthy snack in a lunch box or to nibble on between meals.

Choosing vegetables and fruit that are in season is an affordable way to include them in the diet. We can also easily grow some vegetables in the garden or a container. If fruit is not readily available, choosing seasonal vegetables instead is a good idea.



Dry beans, split peas, lentils and soya

These foods are generally well priced. Adding them to a meat dish can add nutritional value and so help to make our money go further. Split peas, beans and lentils all make hearty soups, beans are a popular choice with samp and baked beans can be added to a breakfast meal or eaten on toast. Because of their fibre and protein content, adding these legumes to a dish helps to keep us feeling fuller for longer.



























food group lactoseintolerant lean recovery drink



Milk, maas or yoghurt

Having 3-4 portions of milk or dairy every day gives us almost all the calcium we need. Teenagers especially should get enough dairy every day, because maximum bone development occurs during this time. A portion of this food group is:

- 1 cup of milk (250 ml)
- 1 cup of *amasi* (200 ml)
 - 2 small tubs of yoghurt (2x 100 g)



Have some milk or *amasi* with your porridge or eat yoghurt with cereal or fruit at breakfast. A tub of yoghurt is a healthy on-the-go snack. A glass of milk or some chocolate milk after hard exercise is an excellent recovery drink. Many people also enjoy *amasi* with stiff porridge or as a tasty drink. Adding it to soup or sauces gives a rich, creamy texture.



People who are lactose intolerant do not have to cut milk and dairy out of their diet. They can gradually build up their tolerance by having small amounts of milk at a time and having milk with other foods (e.g. adding milk to porridge). Fermented dairy products such as yoghurt and amasi, and full-cream milk rather than low-fat milk, are also generally better tolerated. Cheese contains almost no lactose. Many supermarkets sell lactose-free milk.

Fish, chicken, lean meat and eggs

Meat can be eaten daily, but it can become expensive. To help your money go further, you can also choose other sources of protein, such as cheese, nuts, peanut butter or beans, on some days. When having meat, choose lean cuts and remember to trim any visible fat from meat and the skin from chicken. Eggs are a popular breakfast choice and a boiled egg is a healthy option for lunch. Tinned fish such as sardines, pilchards or tuna can be added to pasta or used as a tasty filling for sandwiches.







TAKE NOTE:

Milk-like drinks made from nuts or grains are not real milk. They do not have the same nutritional value as dairy milk.



















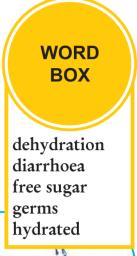




Water

We should have 6–8 glasses (1.2–1.5 ℓ) of water every day. Freezing a bottle of water and adding it to a lunch box is a good way to make sure children stay well hydrated while at school. It is also important to make sure that children drink enough water during sport activities and on hot days, especially if they have to walk long distances to and from school.

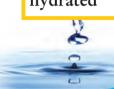
Tap water is generally clean and safe. Water from a well, borehole or river should best be boiled and left to cool before use. Water can also be treated by adding 1 teaspoon of household bleach to 20 ℓ of water to kill any germs. Germs from water can cause diarrhoea, which can lead to severe dehydration.











Fats and oil

We should try to not have more than 4–6 teaspoons of fat per day. This includes oil used for frying or cooking and spreads such as margarine or butter on sandwiches. Remember that there are many hidden fats in biscuits and processed meat.



Sugar

Current dietary guidelines advise that it is best to limit free sugar in our diet to no more than 6–9 teaspoons a day. This includes added sugar that hides in sweets, chocolates, biscuits, many sauces, ready meals and breakfast cereals. Add sugar to your food wisely and enjoy sugary foods and drinks only as occasional treats.



Salt

It is best to use only a little bit of salt when preparing food and to not add extra salt to our food at the table. Herbs and spices are good alternatives to bring out the flavour of food. Remember that soup powder, stock and processed meats contain lots of salt. We should try to limit our salt intake to about 1 teaspoon per day.

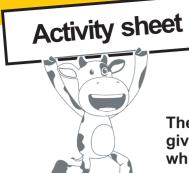


TAKE NOTE:

A can of sugar-sweetened fizzy drink can contain as much as 7 teaspoons of sugar but provide no nutrients.



Understanding food labels



The law requires that all food products should have a label that gives nutritional information. Some information is compulsory, while other information is optional. Food products are tested to ensure that the information is accurate.

Look at the label of a bottle of drinking yoghurt on the next page. Answer the following questions:

1.	What information is given on the label?						
2.	To which food group does drinking yoghurt belong?						
3.	How should you store drinking yoghurt? Explain your answer.						
4.	What is the calcium content of this drinking yoghurt?						
5.	Does drinking yoghurt contain sugar? Why do you say so?						
6.	Do you think drinking yoghurt can form part of a healthy diet? Give a reason for your answer.						

DRINKING YOGHURT Strawberry

88 10 SEPT 2020 06:34

SOURCEOF CALCIUM



KEEP REFRIGERATED Produced in South Africa

TYPICAL NUTRITIONAL INFORMATION SERVING = 300 ml PER 100 ml PER 200								
TTPICAL NU	JTF	RITIO	V A	LINE	0	unca		
SERVING = 300 r	nl	PER 10) m	IL IIVE	Uŀ	RMATION		
		100 111		PER 300 mi		% NRVc*		
Energy		581 kJ		1743 kJ		PER SERVING		
Protein	T	10.						
Glycaemic carbohydrate	es	16 g	+	5.4 g	4	10		
or writen total sugar		13.9 g	1	48 g	1			
Total fat of which saturated fat	Г	1.4 a		41.7 g	\perp	_		
	10).8 g	12	4.2 g 2.4 g				
Dietary fibre	10	.0 g	-		L			
Total sodium		3 mg		.0 g				
Calcium		_		4 mg				
*NRVs = Nutrient reference + 15.8								

'NRVs = Nutrient reference values for individuals 4 years and older

ALLERGENS

INGREDIENTS

Low-fat milk, reconstituted whey powder, sugar, fruit (6%) (strawberry puree and apple concentrate), thickener (maize starch), yoghurt culture, flavouring, colourant, preservative (potassium sorbate)





Use this glossary to help build your learners' vocabulary and explain terms easily.

beverage: a drink other than water

calcium: a mineral found in milk and dairy and which is essential for building strong bones and teeth

carbohydrates: energy-giving foods

dairy: milk and products made from milk; milk from cows and goats are most commonly used

dairy matrix: the combination and interaction of nutrients in milk dehydration: the result of losing more water than what is taken in

dental caries: cavities that form in teeth

diabetes: a condition in which the body cannot handle carbohydrates and sugar correctly

diarrhoea: a condition in which stool is watery; can lead to dehydration diet: the different foods we generally eat as part of our lifestyle

fermented: describes a product in which a biological process has changed sugar into a different chemical

substance

fibre: roughage; helps with good digestion

food: what we eat

food group: different foods that all have similar nutritional properties nutritional information on packaging of a food product

free sugar: sugar that is added to food during manufacturing or preparation at home

germs: micro-organisms that cause disease

healthy diet: a diet that consists of all the food groups in the right proportions

hydrated: having enough water for the body to work well lactose intolerant: being unable to digest lactose (milk sugar)

lean: with little or no fat

lean meat: meat that does not have much fat

legumes: seeds from plants such as beans, peas and lentils

lifestyle diseases: diseases that develop as a result of how we live rather than being caused by infections

maas: a traditional fermented dairy product, with a slightly sour taste and somewhat thickened texture;

also known as amasi

micronutrients: substances in food that the body needs only in small amounts, such as vitamins and minerals

mixed meal: a meal that contains a variety of nutrients

nutrient rich: containing many nutrients

nutrients:substances in food needed by the body to stay healthyobesity:a condition in which a person is grossly overweightportion size:the amount of food you eat in a single servingprobiotics:healthy bacteria in food that help with digestion

protein: a type of nutrient that helps the body to build and repair tissues recovery drink: a beverage to help the body recover after strenuous exercise or illness

saturated fat: the type of fat mostly found in food from animals

seasonal: of the current season

stroke: an event during which the blood supply to the brain is interrupted, often because of a blocked

artery

unsaturated fat: the type of fat mostly found in plant foods





FOOD-BASED DIETARY GUIDELINES FOR SOUTH AFRICA



Enjoy a variety of foods.



Be active!



Make starchy foods part of most meals.



Eat plenty of vegetables and fruit every day.



Eat dry beans, split peas, lentils and soya regularly.



Have milk, maas or yoghurt every day.



Fish, chicken, lean meat or eggs can be eaten daily.



Drink lots of clean, safe water.



Use fats sparingly; choose vegetable oils rather than hard fats.



Use sugar and foods and drinks high in sugar sparingly.



Use salt and food high in salt sparingly.

The Consumer Education Project of Milk SA is a voluntary, non-profit organisation set up to promote the development of the dairy industry. Its members are the Milk Producers Organisation and the SA Milk Processors Organisation. The Project communicates the health and nutritional benefits of dairy to consumers and health professionals through various communication channels.

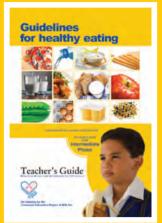
About this guide

Teaching about nutrition with this guide

At the Consumer Education Project of Milk SA we are passionate about sharing the goodness of milk and other dairy products with consumers. Milk and dairy form part of a healthy diet, as recommended by the South African food-based dietary guidelines (FBDGs).

Understanding the principles of healthy eating already from a young age shapes healthy diet choices throughout life. Current thinking around nutrition education suggests that how we teach is just as important as what we teach. Using the FBDGs as the basis for teaching about nutrition is therefore regarded as a good way of introducing the concepts of healthy eating to young learners, and so instil a lifelong positive attitude towards healthy eating.





As part of our school programme, the Consumer Education Project of Milk SA developed learning material aimed at learners in the:

- Foundation Phase Grade R to Grade 3: From farm to fridge
- Intermediate Phase For Grade 5 and Grade 6: Guidelines for healthy eating
- How to obtain a copy:
 Hard copies can be obtained from the Consumer Education Project of Milk SA by sending an email to info@rediscoverdairy.co.za
- All material can be downloaded from www.dairykids.co.za



An Initiative by the Consumer Education Project of Milk SA www.rediscoverdairy.co.za www.dairygivesyougo.co.za