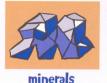


# FRUIT and VEGETABLES

# FRUIT AND VEGETABLES ARE GREAT FOR HEALTH.

They're a terrific source of all the substances your body needs to work well and grow.







vitamins

fibre

They also contain useful starches, sugars, proteins, fats, oils, and water.

Our bodies can't make vitamins or fibre. And we can't absorb minerals direct from rocks. But fortunately for us, plants can!

That's why we need to eat plenty of fruit and vegetables because they contain loads of vitamins, fibre and minerals.

The best way of making sure that we get enough is to eat AT LEAST 5

portions of different fruits and vegetables every day.

# FRESH FRUIT and VEGETABLES MAKE GREAT SNACKS

Raw fruit and vegetables are MUCH KINDER TO YOUR TEETH than biscuits, cakes, sweets and fizzy drinks.

The sugar in fruit and vegetables is mostly inside the plant's cells, so there is less direct contact with teeth.

Sticky dried fruit, and fruit juices, are really good for you, but like any sugary food they can cause tooth decay if you eat too much, too often. So it's better to eat or drink them with food, at mealtimes.

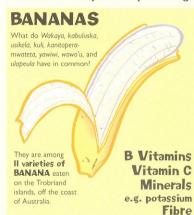
Diluting fruit juices with water also helps to protect teeth.

Fruit and vegetables are an important part of a balanced diet...

so if you're having a snack, EAT FRESH FRUIT AND VEGETABLES!

### VITAMINS

Vitamins are substances that are "vital" for life – that's how they got their name. Our bodies need them for just about everything. Vitamins help our cells to grow and repair themselves. They are needed for healthy muscles, nerves, bones and blood vessels. And they can help us to fight off diseases.



The vitamins A, C and E may protect against cancer and heart disease. They are anti-oxidant nutrients that help to prevent cell damage.



ACE =
AntiCancer &
heart
disEase

You only need tiny amounts of each of the vitamins. But eating too little of even one vitamin can cause a health problem.

As long as you are eating at least 5 fruits and vegetables every day, you will be getting useful amounts of a wide range of vitamins.



VITAMINS WE

Vitamin A
B vitamins
BI
B2
B3
B5
B6
B12
Biotin
Folic Acid\*

Vitamin C

Vitamin D

Vitamin K

Vitamin E









Good sources of vitamin A / Beta-carotene include:



### **B Vitamins** belong to a family.

B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>, B<sub>5</sub>, B<sub>6</sub>, B<sub>12</sub>, folate



• Keep the brain, nerves, blood and muscles in good working order

Folate (folic acid) is particularly important during early pregnancy

Good sources of vitamin B include:

Different B vitamins are found in different foods. So make sure you eat a varied diet. Cereals, milk and meat are good sources. B12 is only found in animal products or fortified food, such as cereals or yeast extracts.

FRUIT banana

VEG peas • beans
• leafy greens
(e.g. sprouts, broccoli)

Don't overcook vegetables because B vitamins are easily destroyed by heat and leak into cooking water. Steaming or microwaving is better than boiling.





There is no **Vitamin D** in fruits and veg. There is plenty in wholemilk, margarine, oily fish, eggs and fortified cereals

Fortunately, your skin can make vitamin D. All it needs is a little sunshine. Don't burn it, though!

Just walking to a fruit and veg shop in the summer on a cloudy day will give you all the vitamin D you need – even if it's only your cheeks that are exposed!

### Vitamin E

- Keeps cells and tissues healthy
- Helps protect cell membranes from damage



Helps form red blood cells
The main source of Vitamin E is
vegetable oils, wholegrain
products, nuts etc.

Good sources of vitamin E include:



Minerals come from rocks, but of course we can't eat them. Fortunately, there's a much better way of getting just the right minerals we need. We can eat the fruits and vegetables that have done the rock-eating for us.

Minerals dissolve in ground water, so they are taken up by plant roots and built into their cells.

You only need a tiny amount of any mineral, but they're important just the same. A lot of people (mainly young women, but young men as well) are not eating enough Calcium and Iron.

I'On is needed to make red blood cells. It helps

to carry oxygen from your lungs to all your body

cells. Iron helps muscles to work. But Iron can be

foods and drinks containing vitamin C at the same

hard for the body to absorb from food. Having

#### Calcium

makes teeth and bones stronger. In the long run, this helps you to avoid fractures. Calcium also helps blood to clot when you are injured, and keeps your heart beating regularly.

Probably the best way of getting enough Calcium is to eat plenty of milk products. You can combine these with fruit and veg e.g. cauliflower cheese, fruit with yoghurt. Sources of Calcium in fruit and veg include:



**FRUIT** oranges. dried fruit e.g. figs VEG okra

· leafy greens (e.g. kale, spring greens)

#### MINERALS WE NEED

Calcium, Chlorine Chromium, Cobalt Copper, Fluorine Iodine, Iron, Magnesium Manganese, Molybdenum Phosphorus, Potassium Selenium, Silicon, Sodium Sulphur, Vanadium, Zinc



Good sources of Iron include: **FRUIT** dried fruit (e.g. figs, prunes, raisins, apricots, peaches) VEG pulses (e.g. peas, beans, lentils)

• okra • leafy greens

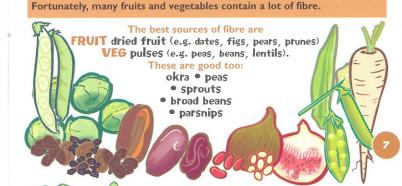
(e.g. kale, spring greens) spring onions

There are lots more minerals you need to stay healthy. But as long as you eat a good variety of fruits and vegetables, you will get a good dose of them every day.



NB Don't forget drink lots of water!

is a bit of a mystery. Scientists are still discovering what fibre does, though they already know it's really important if you want to keep your body working well. Fibre is found in the walls of plant cells. As it passes through If you don't eat enough fibre, you will become constipated. You should have plenty of fluids, too. Eating plenty of fibre seems to keep down levels of fats in your blood. In the long run a fibre-rich diet may help to prevent heart disease and some cancers.



YOU SHOULD EAT LEAFY GREENS **EVERY DAY** Because cabbage, sprouts,

broccoli, kale, spring greens and turnip greens are great sources of Vitamin A, B vitamins (including folates), Vitamin C, Vitamin E, Minerals (e.g. Calcium, Iron Potassium), Fibre

**RAW and LIGHTLY COOKED FRESH** fruit and veg are really good for you.

So are FROZEN VEGETABLES. They contain just as much goodness as fresh ones.

CANNED FRUIT AND VEG usually contain less vitamins, but are also a good choice. Try to buy canned veg with low sugar and salt. Choose fruit in juice rather than syrup.

> BAKED BEANS are a really good source of fibre. protein and ron.

### WHY EAT 5?

Raw

Tinned

or stewed

(but don't count

the juice)

People in Britain eat less fruit and vegetables than people in almost any other European country. And we also have one of the highest rates of some cancers and heart disease.

Are these facts connected? Almost certainly, yes.

Many doctors and scientists believe that people's health would improve if they are plenty of fruit and vegetables.

### How much fruit & veg should I eat?

Many health reports have found that everybody should eat at least 400g (about 1lb) of different fruits and vegetables every day.

The best way is to eat 5 or more portions daily.

# Loads of different ways to eat 5 or more portions every day





 like raisins, sultanas, currants, figs, dates, apricots.
 Don't eat too much dried fruit between meals – their sticky sugar can stick to your teeth.



(e.g. unsweetened orange, apple, pineapple)

## WHAT ABOUT POTATOES?

Eat plenty of potatoes, but DON'T COUNT THEM AS ONE OF YOUR 5 PORTIONS.

Potatoes contain vitamins, fibre and minerals. Like bread and cereals, they are a very good source of starchy carbohydrates, which fill you up and give you energy.

So eat plenty of potatoes, bread and cereals every day AS WELL AS at least 5 fruits and vegetables.

### Each of these is ONE PORTION OF FRUIT & VEG

# ONE WHOLE MEDIUM-SIZED FRUIT OR VEGETABLE

FRUIT OR VEGETABLE
e.g. apple, orange, banana

A COUPLE OF SMALL FRUITS, OR A CUP OF VERY SMALL FRUITS e.g. 2 plums, a cup of grapes or berries



1/2 - I TABLESPOON OF DRIED FRUITS e.g. dates, sultanas, prunes, apricots

2 – 3 TABLE-SPOONS OF COOKED OR CANNED FRUIT

THREE TABLESPOONS OF RAW, COOKED, FROZEN OR CANNED VEGETABLES





A PIECE OF A BIG FRUIT Half a grapefruit, a wedge

of melon, a
couple of
rings of
pineapple,
half an
avocado



**But DON'T count** 

a glass of squash or a fruit "drink" or a fruit yoghurt or fruit and nut chocolate or a tablespoon of jam. There's just not enough fruit in them to make a portion!



EAT 5 OR MORE PORTIONS OF FRUIT & VEG EVERY DAY!

### Here are some great ways to EAT 5 a day

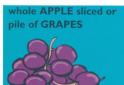






Break





Midday





Teatime





Evening meal



SWEETCORN



### YOUR PROBLEMS SOLVED



Farmers partly use pesticides because most people expect perfect-looking fruits and vegetables. They hate odd shapes or blemishes on the skin. So if we weren't quite so fussy . . .

Fruit and vegetables are tested regularly to check that there is no build up of chemicals. Always top, tail and peel carrots. In any case, you should always wash fruit and vegetables thoroughly to clean them.

I DON'T WANT TO GET FAT. SHOULDN'T I EAT 2 OR 3 PORTIONS INSTEAD?

It's practically impossible to put on weight by eating fruits and vegetables. You can eat as much as you like.

### YOUR PROBLEMS SOLVED



WILL
EATING LOTS
OF FRUITS AND
VEGETABLES HELP
CURE MY SPOTS?

It may not <u>cure</u> them, but it can only help.

ISN'T IT MORE EXPENSIVE TO EAT HEALTHY FOOD?

Not really. Some fruits and

vegetables are expensive, but many aren't. Money you don't

spend on sugary or fatty meals or snacks can help you pay for healthier food. Fruits and vegetables are often cheaper than sweets, chocolates, or packets of crisps. IS
IT TRUE THAT
FROZEN, CANNED OR
COOKED FOOD HAS
LOST ALL ITS
GOODNESS?

Definitely not. Freezing or canning preserves most of the goodness. Check labels on cans to see there's little or no added sugar, and rinse away any brine (salty water).

Cook fruits and vegetables carefully and only until they're just done. Don't leave them boiling away for hours – or you will lose a lot of the vitamins into the water.



### YOUR PROBLEMS SOLVED



I DON'T BUY OR COOK THE FOOD, SO HOW CAN I GET TO EAT MORE FRUIT AND VEGETABLES?

Many parents and carers

Try

think children don't want to eat healthily. But if you showed them that you really were going to eat more fruit and vegetables (and perhaps less of the sugary or fatty foods that aren't so great for you), they would probably be really pleased, and would buy more fruit and vegetables. That way, your whole family's health will improve.

You have more control in a canteen or restaurant. Go for the healthiest meal on offer. Ask the meals organiser to put more fruit and vegetables on the menu. Or bring in a packed meal – there are loads of tasty filling snacks that are also very good for you.

CAN'T I EAT VITAMIN AND MINERAL PILLS INSTEAD?

No. For most people, it's much better to eat plenty of fruit and vegetables – you'll get all the nutrients you need, and there's no danger of an overdose.

And there are loads of other healthy substances in fruit and vegetables that you can't package in a pill\*.

- WASH RAW FRUIT AND VEG
  THOROUGHY
- DON'T OVERCOOK VEGETABLES
   Steaming or microwaving is a very good way of cooking vegetables. Stir-frying is good too.
- AND YOU CAN ALWAYS TRY GROWING YOUR OWN!

\* But women who are expecting a baby need a supplement of the B vitamin Folic Acid to help their baby's brain and spinal cord grow properly. They should take this before and in the early weeks of pregnancy.

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#### WHAT'S IN A VEGETABLE? **Vitamins** Minerals Other ACE Anti-Cancer & heart disEase **VEGETABLE** Calcium Iron Fibre Broccoli ALL **Brussels Sprouts** veg Cabbage contain Carrots many Cauliflower other Green beans good A **G** Leeks things Mushrooms that S **Parsnips** promote Peas health Pepper (red) Pulses they're Spinach ALL Swede Sweetcorn great Tomatoes for Turnips you! The symbols show GOOD sources

In 1991 James Deady threw a GRAPE 99.82 metres into the mouth of his friend, Paul Tavilla.



#### WHAT'S IN A FRUIT? **Vitamins** Minerals Other ACE FRUIT Anti-Cancer & heart distase C Calcium Iron Fibre ALL **Apples** Apricots fruits Avocados contai Bananas many **Blackberries** othe Clementines good AR AR Figs things **Grapefruit** that Kiwi promote Mangoes health Melons S **Oranges** R they're ALL Pears **Plums** great Raspberries **Strawberries** you. The symbols show GOOD sources

