from Marasmus

FOOD AND ITS NUTRIENTS

L.No	Title of Lesson	SKILLS		Activit	y
2	Food and its Nutrients	Critical Thinking, Creat Problem Solving and De			nding the ce of food in life
- Sur	mmary				
		t also helps in growth and re normally. Some of our social		•	0 0
vitamin vitamin	ns, fibre and water. W ns are required in very	bstances called nutrients. The While the first three are reasonable small quantities. Each of the help to build the body but ar	quired in fair lese nutrients	ly large quan has a specific	ntities, minerals an c role in building ou
or redu	iced intake of any of th	e nutrients in the recommend nese nutrients in our daily di d if the missing nutrient is d	et can cause	various deficie	ency diseases. Ofte
	ollow the thumb rule of thus ensure good he	f eating a variety of foods v alth for ourselves.	ve will be able	e to include a	ll the nutrients in ou
Deficie from ou	ur food for a long per		absent	BC	
• Mar		sufficient protein intake. eficiency of both carbohydr	ates		
• Nigl vitar	ht-blindness is caused	due to the absence or lack t. Those suffering from nig im light.			
	mia is caused due to the duest of the duest	the deficiency of iron result	ing in		
Tho		the deficiency of vitamin H -beri may not feel hungry a	and will		MW -
	<i>. .</i>	e or lack of vitamin C. It resu ms and slow healing of wour	its in the	child uffering from washiorkor	
• Goit	tre is caused due to th	e absence of iodine in diet			A child suffering

resulting in a swollen neck.

Build Your Understanding

- Fiber adds bulk to stool and prevents constipation. It is mainly present in foods from plants.
- Water keeps the body temperature constant, removes waste products from the body in the form of urine and transports food in the body.

Did You Know?

- Non-vegetarians often complain of constipation because non-vegetarian food has poor fibre content.
- In summer we need more water to make up for its loss due to sweating.
- Fats are a concentrated source of energy. They should be used with discretion. Excess intake may lead to obesity.
- Recommended mineral intake ensures healthy bones, teeth, muscles and blood.
- Milk must be an integral part of the diet during childhood and adolescence because bones grow rapidly during these stages..
- Vitamins are of two types—fat soluble vitamins (vitamins A, D, E and K) and water soluble vitamins (vitamins B and C). Vitamins cannot be produced by our body hence they must be taken in the diet daily. Some amount of fat is required for absorption of fat soluble vitamins.

Extend Your Horizon

- Change a plain aloo tikki into a nutritious tikki.
- Plan a breakfast meal that includes carbohydrate, protein, fat, any one vitamin and one mineral.

Maximize your marks

What's Important to Know?

Food and its importance

For healthy living!

- Food gives us energy to work.
- Food helps in the growth and repair of tissues.
- Food gives strength to fight against diseases.
- Food helps the body to function normally.
- Food satisfies hunger.
- Food has always been a central part of our social existence. It helps to relax and create a friendly mood. People take special care in planning and cooking food for social occasions.
- Food satisfies our emotional needs. These include a sense of security, love and attention. Familiar food items make us feel secure.

Evaluate Yourself

- 1. Anushri does not like to have green leafy vegetables. List down three reasons why green leafy vegetables are considered good for health and why she must include them in her diet?
- 2. Your grandmother often suffers from fractures. Which nutrient do you think she is lacking in? Suggest what foods she should have to avoid such situation further?
- Read the case studies carefully and perform activities suggested in the lesson. It will help in a better understanding of the topic.
- Read the functions and sources of nutrients.
- Read the deficiency diseases.