

**Title :** why do we brush our teeth before sleeping ??

Children should learn microorganisms specifically bacteria because this tiny organism has the ability to change the world , it helps human in making yogurt , making cosmetics, making antibiotics and can cause many diseases. Children cannot see this organism by naked eye but they know only its bad effect like tooth decay . we will learn them how this bacteria help us in digestion and give us the immunity for children 8-10 years.

**Duration:** the workshop takes 50 minutes

**Category :** Science, Art And Technology

**Materials :**

- 1- Petri dish
- 2- loop
- 3- Glass slides
- 4- Glass covers
- 5- Test tube
- 6- Funnel
- 7- Filter paper
- 8- Dropper
- 9- Yogurt
- 10- Milk
- 11- Dist. water
- 12- Soil
- 13- Beaker
- 14- Flask
- 15-

**Equipment :**

- 1- Microscope

## **Lesson design**

**5 minutes** ( identify 5 types of microorganisms and their presence )

**5 minutes** ( collection of soil samples )

**10 minutes** ( isolation of bacteria from soil and preparing slides of bacteria and examine it under microscope )

**2.30 minutes** (video of different shapes and presence of bacteria )

**2.30 minutes** (video of bacteria inside our body and its uses in digestion process )

**5 minutes** break

**10 minutes** ( children will use computer to know all information they want to know about bacteria and make a simple power point )

**10 minute** the project ( each child shows what they learn in this session to other children and ask him )

**Task** : search for bacteria in outer space