

Service Learning Projects

Connecting Service Learning to Curriculum

Project No. 19

1. **Class** 8th
2. **Subject area** Science
3. **Topic** Bacteria
4. **Name of the project** Stay safe from bacterial infections
5. **Name of the teacher/facilitator and School** Aroma B. Roy
St. Dominic's Convent School, Johar Town, Lahore.

6. **Summary of the project**

In this project, the students will be informed about the diseases caused by bacteria and how to stay away from bacterial infections. They will be informed about the symptoms of various bacterial infections and preventive measures to be taken to stay away from bacterial infections.

7. **Objectives of the project**

- To provide information to students about bacteria.
- To inform students about diseases caused by bacteria.
- To inform students about the symptoms caused by bacterial infections and preventive measures to stay away from bacterial diseases.

8. **Learning component of the project**

The students will gain following knowledge and skills from this project:

- Scientific skills.
- Medical awareness.
- Personal hygiene.
- Diagnostic skills.

8.1 **Approximate number of hours to be spent on learning by each student**

7 hours

9. **Service component of the project**



YES Network

- a) Field trips will be arranged to the following places;
- i) Hospitals: To examine the patients suffering from bacterial diseases and to collect data.
 - ii) Industries: To view how products are kept safe from bacteria such as pasteurization of milk, sterilization of food, etc.
 - iii) Poultry Farms: To examine the cattle suffering from bacterial diseases.
 - iv) Field: (Orchids) For examining citrus fruits suffering from canker disease caused by bacteria.
- b) Surveys would be conducted to collect information regarding the bacterial diseases and its effects on humans.
- c) Science exhibitions would be arranged to share information related to bacterial diseases with others.
- d) Audio- Visual aids such as movies, films, slides, etc. would be shown to others (related to bacteria, its reproduction, its shape, size, color, etc.)

9.1 Approximate number of hours to be spent on providing services by each student

17 Hours

10. Key messages of the project

- Pay attention towards your personal hygiene to keep away from bacterial diseases.
- Cleanliness prevents bacterial diseases.
- Bacterial infections harm your body.
- Consult a good physician in case of bacterial infections.
- Take preventive measures to keep away from bacterial diseases.

11. Outcomes of the project

- More students will become aware of the preventive measures to keep away from bacterial diseases.
- More students will be aware of the symptoms of the bacterial diseases.
- There would be less absence from school due to bacterial infections.
- More students would be safe and healthy.
- Students will know what to do, in case if they catch bacterial infections.

12. Project Cycle

12.1 Preparation Stage



YES Network

- **Brain storming:** Charts will be displayed in the class and the students will be motivated to select the problem related to the topic “bacteria”.
- **Identification of problem:** Area of problem for study would be chosen by students.
- **Assessing resources:** Students would be given access to human and material resource.
 - **Human Resource:** Teachers, doctors, pharmacists, lab technicians, etc.
 - **Material Resource:** Multimedia, slides, films, models, charts, projector/ transparencies, microscope, facilities for field trips, etc.
- **Surveys:** Survey areas would be chosen by the students.

12.2 Action stage

Action stage will include visits to hospitals, discussions with doctors, collection of data from field trips and surveys, presentation of dramas and tableau and demonstrations of the entire program.

12.3 Reflection stage

The students would share their experience of working on the project with their teachers. They would also share the challenges faced by them and scenes witnessed during their field trips.

12.4 Recognition and celebration

A party or refreshment would be arranged to celebrate the success of the project. Certificates and awards will be distributed among students who performed outstandingly during the project. Report of the project would be published in the school journal.

