

Best Practice 1

1. Title of the practice: Provide practical knowledge to school students using “Plants Lab in a Box”

2. Goal: A.D. Mahavidyalaya Bharsingi present in rural area and students which comes are belongs to small villages. Schools which are present in surrounding region having similar condition. Students in school having syllabus which includes information related tree parts such as stem, petals, flowers, root etc. but they don't have practical's regarding this and also they don't have instruments to see and observe the microscopic parts of these materials. Our college and students decided to run an concept of “**Plant lab in a Box**” in which we having certain instruments and material in box such as Microscope, stains, slides, stem, roots etc. Teacher coordinators and students with this lab visited in the schools of surrounding area and given information to the school students related parts of trees, microscope and other required things then they show them microscopic parts of certain known plants and algae by using material available in “**Plant lab in a Box**”. The aim of this activity to create practical approach towards students in school regarding their studies and also provide them vision of observation of environment.

The objectives of this practice are as follows:

- To aware them about microscopic parts of tree
- To show them practical practically how the microscopic parts of trees look like.
- To improve their practical knowledge and practical approach.
- To strengthen their knowledge to improve future vision.

3. Context:

A.D. Mahavidyalaya Bharsingi affiliated to RTMNU, Nagpur in Maharashtra state present in rural area students which comes are belongs to small villages. In surrounding region of college, there are schools for the students in which students from surrounding villages comes to take the education. These students in schools don't have practical's in their syllabus, they only get the theoretical knowledge from the books. Our Teacher coordinators and students created an concept of “**Plants Lab in a Box**” and with the permission of college, we visited the schools in surrounding region. They provided the knowledge of instruments and material in “**Plants Lab in a Box**”, give them idea of using them and also show them practically how the microscopic parts of plants look like.

4. The Practice: “Plant lab in Box” contain microscope, slides, stains, material such as root, stem, flower. With this lab our Teacher coordinators and students visited three schools in surrounding area 1. R.M. Ingole High School Bharsingi, 2. Z.P. School Inderwada, 3. Sant Kabir School Rohana, these school are in region of our college in 1-5 km area. As we already got the permission to arrange such activity in schools, our Teacher coordinators and students gives an information to the students regarding the topic, tell them the procedure and material required for the study and show them microscopic parts of the plants using microscope and other required material. After showing the microscopic parts by using pictures of these microscopic parts they gave them detail explanation related different parts in plants. Students in school with this activity found very much happy and with this practical approach they asked some creative questions to the teacher coordinators and students of our college. We solve their all the difficulties and tried to improve their knowledge and also tried to provide an vision to think with practical and creative approach.

5. Evidence of Success:

This practice has helped the school students in:

- Improvement in basic knowledge about plants parts
- Strengthening the basic fundamentals in related subjects
- Create practical approach in students
- Development of interest in studies
- Improves the technical skills and problem solving techniques.

This practice has helped the college students in:

- Improvement in skill of teaching
- Strengthening the basic fundamentals in related subjects
- Improvement in self confidence
- Improvement in social awareness in them

6. Problems encountered and resources required:

Activity conducted in regular college timing as students having less Bus timing available to conduct such activity in extra time other than college time. Due to this our college teacher conducted the extra lectures for the students to fulfill the loss of students in syllabus.

7. Constraints/ limitations:

- 1) Due to extra timing students face problem of regular bus timing as college in rural area.

2) Increased workload and timing on faculty.

Best Practice 2

1. Title of the practice: Students participation in Games and Sports

2. Goal: Students A.D. Mahavidyalaya Bharsingi present in rural area and students which comes are belongs to small villages but these students found physically strong and capability of doing hard physical work. The students having interest in the field of “Games and Sports” provided training and practice from the side of college and department of physical education. Best students selected on the basis of performance get the chance of playing in sports at University level, State level, National level. Our aim to create such students which show their brightness in the field of sport and provide them platform to show their talent at such levels. The objectives of this practice are as follows:

- To provide knowledge regarding sports and games
- To provide the training regarding sports and games
- To prepare them for participation at University, State, National level sports competitions.
- To help them in building their confidence for taking education

3. Context:

Students which come to college are belongs rural area, maximum of them belongs to economically weaker family. Girls students are facing more problems while taking education due to economical aspects. Most of the families are don't prefer the education to girls students due weak economical background and many such girl students leave their education in between. While considering this problem college decide to start stitching course for girls so that they can start their own earning source and take their education independently.

4. The Practice: Our college select the students from different streams which are interested and capable for participating in sports events. Students which registered name for the sports events their proper practice and training taken by the director of physical education. Required facility provided by the institution to make such students able for participating different level sports competition. The students which are prepared for participation at university level are sending by the college to participate in different sports completions. Students which performed well and win

prizes are then promote to participate at State and National level competition. Every year from our college students are participate and win prizes at National, State, University level competitions.

5. Evidence of Success:

- All India interuniversity Holly ball competition 1st prize three students in team
- All India interuniversity 3rd prize by three different students in Woodball competition
- All India interuniversity participation in Kho-Kho, Hollyball, Yoga, Rope Malkhamb by 9 students
- University level Champion in Hollyball Boys
- University level Champion in Malkhamb Boys
- University level Champion in Rope Malkhamb Girls
- University level 2nd prize in Yoga Girls
- University level 3rd prize in Yoga Boys

6. Problems encountered and resources required:

To participate in such all India level sports competition students need extra time, extra focus, and adequate facility other than college working time. It is difficult for the students to manage such timing other than academic timing. It also difficult for the sports department to manage such extra timing for the students. Subject teacher also have to take the extra lectures for such students which participated at different level sports competitions.

7. Constraints/ limitations:

- Due to extra timing students face problem of regular bus timing as college in rural area.
- It is difficult for students to manage both sports and teaching learning process
- Sports director and teaching staff to manage the extra timing for such students which was also insufficient.