

Theme Based Lesson - Environmental Theme, Technique - Role Play ①



शाहू शिक्षण संस्था (पं.)

अध्यापक महाविद्यालय (बी.एड) शहाड (पश्चिम) - ४२९३०९

सदावपाठाचे नियोजन

Lesson Planing

विद्यार्थी शिक्षकाचे नांव : Neha Dhatkar
(Name of the Pupil-Teacher)

हजेरी क्रमांक : 11
(Roll No.)

शाळेचे नांव : Pawati English
(Practicing School) School

इयत्ता : IXth
(Std.)

तुकडी : 4
(Div.)

पाठ क्रमांक : 09
(Lesson No.)

तासिका : 07
(Period)

वेळ : 3pm
(Time)

विषय : Science
(Subject)

घटक : Environmental Management
(Unit) Upaghatak : Solid Waste Management
(Sub - Unit)

पारदर्शकांशामधील समाविष्ट मूल्य व गाभाभूत घटक : Scientific attitude, and Protection of Environment.

अपेक्षित पूर्वज्ञान : Student know about waste management
(Expected Previous Knowledge)

प्रस्तावना : Teacher introduces the Topic solid waste management
(Introduction)

Teacher asked question to students

a) What is pollution ?

Student answered the question.

b) In which different way do our surroundings get polluted ?

c) What are the different things included in solid waste ?

हेतुकथन : So today we are going to study about
(Statement of Aim) Solid waste management.

संदर्भ साहित्य / शैक्षणिक साहित्य :
(Reference Material / Teaching Aids)

Colour chalks, Flash cards.

पाठ्यमुद्दे Teaching Points	उद्दिष्टे व स्पष्टीकरण Specific Objectives & Specification	अध्ययन अनुभव	
		शिक्षक कृति Teacher's Activity	विद्यार्थी कृति Student's Activity
Waste Management	Knowledge Help the student to acquire the knowledge about waste management		
	Explanation Student acquired the knowledge about waste management		
	Understanding Help the student to understand about the types of waste.		
	Explanation Student under- stands about the types of waste		
	Application Help the student to give the example of waste management.		

PARVATI ENGLISH HIGH SCHOOL

ROLE PLAY

SUB: - Science

STD: - IXth

Ch:- 9th Environmental Management

TOPIC:- Solid Waste Management

ROLES: - THE COMMON MAN, SCIENTIST, EARTH

↔ DIALOGUES ↔

- ★ Earth: - Oh God sees all the waste gets collected on me everything is smelly & polluted.
- ★ The Common Man (boy): Oh no earth I don't know what I did wrong to whom should I ask?
(entry of scientists)
- ★ Scientist: - I would like to tell you The importance of waste management.
- ★ The Common Man (girl): - Please help me, scientist, so I can do better
- ★ Scientist: - Okay I will guide you first let us know the type of waste material present on earth.
- ★ Earth: - I can tell you that scientists there are different kinds of material. Domestic waste, industrial waste, hazardous waste, farm waste, electronic waste, biomedical waste, urban waste, radioactive waste, and mining waste
- ★ Scientist: - Right earth, we can the waste material categories into two types biomedical waste, urban waste, radioactive waste, and mining waste biodegradable waste & non-biodegradable waste.
- ★ biodegradable waste- Biodegradable waste: This type of waste is easily degraded by microbes. It mainly includes kitchen waste (spoiled food, fruits, vegetables) ash, soil, dung, parts of the plants, etc. This waste is mainly of organic type and is also called 'wet solid waste'. If it is carefully decomposed, we can get compost and fuel of good quality from it. Such biofuel projects have been started in many cities.
- ★ The common man (boy): - That very good idea sir we should start working on it.
- ★ Scientist: - Yes dear & about Non-biodegradable waste: This type of waste is not easily degraded because it requires a very long period and the use of various techniques. It includes plastic, metal and other similar materials. This type of waste is also called 'dry solid waste' or 'dry garbage'.
- ★ The common man (girl): -Okay now I understand we should separate the degradable & non-degradable waste.

- ★ Earth:- Sounds good. so there is scientific & eco-friendly waste management.
- ★ Scientist:- Yes dear earth there are many like 1 separation & categorization of waste, 2 composting, 3 safe landfill sites, 4 vermicomposting, 5 industrial solid waste management, 6 pyrolysis [energy production by burning waste at high temperature], 7 biomedical waste.
- ★ The common man (boy):- No doubt I try this scientific and eco-friendly way.
- ★ Scientist:-  Following the 3 R 'mantra': Reduce (reducing the waste), Reuse (reuse of waste) and Recycle (recycling of waste). Throwing plastic wrappers of chocolates, ice creams, biscuits, etc. into dustbins. Avoiding littering. Avoid using plastic bags instead of cloth bags or bags prepared from old sarees, bed sheets, curtains, etc. Use both sides of a paper for writing. Reusing greeting cards and gift papers.
- ★ The common man (girl):- I think it's the best way to do waste management.
- ★ Scientist:- We should Avoid the use of tissue paper and prefer to use a handkerchief. Using rechargeable batteries instead of lead batteries. Implementing various programmes of solid waste management and educating, and encouraging the family and society in this regard. Avoiding 'use and throw' type of articles like pens, canned cold drinks, and tetra-packs should be strictly avoided. hope you understand the way of waste management.
- ★ The common man (boy):- Yes scientists thank you for guiding us I am going to follow this to keep my surroundings & environment clean.
- ★ the common man (girl):- Sorry earth, we did not take care of our waste & make it polluted & toxic. now we work hard for you & also for us. we do waste management & guide others too.
- ★ Earth:- It's ok my child from now on take care.
Every one thanked

मुल्यापन
(Evaluation) Q Answer the following.

- ① Which two categories can the waste materials be divided?
- ② Why is it necessary to recycle & non-degradable waste?
- ③ Which materials are included in solid dry waste?
- ④ Banana peels come in which waste?

स्वाध्याय (Assignment)

Collect the information about the cleanliness in India, & how they maintain it.

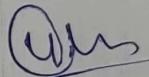
OBSERVATION TABLE

THEME BASED LESSON

Role play

Name of School/ College : Parvati English High School.

Sr. No.	Points	Excellent	Very Good	Good	Average	Fair
1	Selection of Theme			✓		
2	Use of Proper methodology			✓		
3	Accuracy in presentation			✓		
4	Social message			✓		


Sign of observer