

CONSOLIDATED REPORT

Name of the DIET : DIET, PADALUR, PERAMBALUR DISTRICT

No. of Action Research : 09

Sl. No	Name of the Researcher	Title
1	P. VARATHARAJ	IMPROVING THE UNDERSTANDING OF SELF-ASSESSMENT IN SCIENCE SUBJECT AMONG STANDARD VIII STUDENTS
2	R.SRIRANGAN	DEVELOPING THE UNDERSTANDING OF THE “STATE OF PARTICLES” IN NATURE OF MATTER AMONG STANDARD VI STUDENTS
3	பூ. விஜயலட்சுமி	எட்டாம் வகுப்பு மாணவர்களிடம் நூலகப் பயன்பாட்டினை களப்பயணம் மூலம் புரிதல் திறனை மேம்படுத்துதல்.
4	K. THILAGAM	ENHANCING THE UNDERSTANDING LEVEL OF ADAPTATION OF BIRDS AMONG VI STANDARD STUDENTS
5	K. REVATHI	ENHANCING THE SKILL OF MEASURING ANGLES IN THE IMMEDIATE ENVIRONMENT AMONG SIXTH STANDARD STUDENTS
6	R. RAJARATHINAM	ELIMINATING THE DIFFICULTIES TO UNDER STAND ADVERBS IN ENGLISH GRAMMAR AMONG VIII STANDARD STUDENTS IN PERAMBALUR DISTRICT
7	S. UMADEVI	IMPROVING THE UNDERSTANDING THE CONCEPT OF AIR POLLUTION THROUGH ICT AMONG VI STANDARD STUDENTS.
8	D. DEVARAJAKUMARI	ENHANCING THE UNDERSTANDING OF HUMAN ORGAN SYSTEM AMONG V STANDARD STUDENTS THROUGH ANIMATED EXPLAINER VIDEOS
9	K. SELVAM	DEVELOPING THE UNDERSTANDING OF AIR POLLUTION AMONG STANDARD V STUDENTS

- 1. Name of the Investigator** : P. VARATHARAJ, M.Sc., M.Ed., M.Phil.
Senior Lecturer.
- 2. Name of the DIET** : District Institute of Education and Training
Padalur - Perambalur district.
- 3. Title** : IMPROVING THE UNDERSTANDING OF SELF-ASSESSMENT IN SCIENCE SUBJECT AMONG STANDARD VIII STUDENTS
- 4. Objective** :
 - To find out the understanding level on self assessment in Science subject among Standard VIII students.
 - To decide required activities to enhance the understanding on self assessment in Science subject among Standard VIII students.
 - To implement the activities to enhance the understanding on self assessment in Science subject among Standard VIII students.
 - To find out the improvement of the understanding on self assessment in Science subject among Standard VIII students.
- 5. Sample** : The sample had collected from the Govt. High. School, T.Kalathur, Alathur block, Perambalur District. Totally 20 VIII standard students.
- 6. Tool** : Achievement Test question paper containing 20 multiple choice questions was used as a tool.
- 7. Methodology** :
 - Experimental method
 - Single group- Pre-test, and Post-test design
- 8. Findings** :

The following are the findings of the study

 - The average means score of pre-test is 25 and post-test is 75 respectively.
 - The average mean scores of boys and girls pre-test is 25 and 29 respectively.
 - The average mean scores of boys and girls post-test is 77 and 81 respectively.
 - The difference between score of the pre-test and post test is higher. It reveals that innovative practices make impact the achievement of the students on self assessment in science subject.

PHOTOS

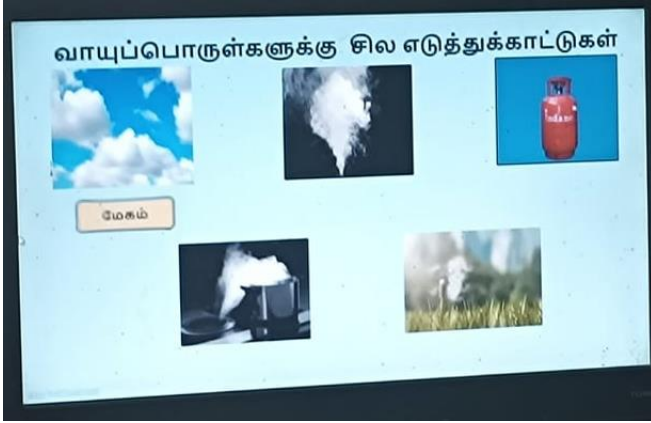


- 1. Name of the Investigator** : R.SRIRANGAN, M.Sc.,M.Ed.,M.Phil.,
Lecturer in Physics.
- 2. Name of the DIET** : District Institute of Education and Training
Padalur - Perambalur district.
- 3. Title** : DEVELOPING THE UNDERSTANDING OF THE
“STATE OF PARTICLES” IN NATURE OF
MATTER AMONG STANDARD
VI STUDENTS
- 4. Objective** :
 - To identify the understanding level of state of particles among VI standard students
 - To develop appropriate strategies by incorporating ICT
 - To implement the strategies to enhance the understanding level of state of state of particles among VI standard students
 - To assess the understanding level of students on the concept State of particles
- 5. Sample** : The sample had collected from the PUMS,
Koneripalayam, Perambalur block, Perambalur District.
Totally 30 VI standard students.
- 6. Tool** : Achievement Test question paper containing 10 multiple
choice questions was used as a tool.
- 7. Methodology** :
 - Experimental method
 - Single group- Pre-test, and Post-test design
- 8. Findings** :

The following are the findings of the study

 - The average means score of pre-test is 45 and post-test is 64.6 respectively.
 - The difference between score of the pre-test and post test is higher. It reveals that innovative practices make improve the achievement of the students in science subject.

PHOTOS



1. செயலாய்வாளர் பெயர் : திருமதி. பூ. விஜயலட்சுமி
விரிவுரையாளர்
2. ஆசிரியர் பயிற்சி நிறுவனத்தின் பெயர் : மாவட்ட ஆசிரியர் கல்வி மற்றும் பயிற்சி நிறுவனம்
பாடாலூர், பெரம்பலூர் மாவட்டம்.
3. தலைப்பு : எட்டாம் வகுப்பு மாணவர்களிடம் நூலகப் பயன்பாட்டினை களப்பயணம் மூலம் புரிதல் திறனை மேம்படுத்துதல்.
4. செயலாய்வின் நோக்கம் :
 - நூலகப் பயன்பாட்டினை புரிந்து கொள்வதில் சிக்கல்களை அடையாளம் காணுதல்.
 - களப்பயணம் மற்றும் பொருத்தமான செயல்பாடுகளை வடிவமைத்தல்.
 - களப்பயணம் மற்றும் வடிவமைத்த செயல்பாடுகளை வகுப்பறையில் நடைமுறைப்படுத்துதல் .
 - மாணவர்களிடையே நூலகப் பயன்பாட்டினை பற்றிய புரிதலை மதிப்பிடுதல்.
5. செயலாய்வு மாதிரி : பெரம்பலூர் மாவட்டம் பெரம்பலூர் ஒன்றியம் அருமடல் ஊராட்சி ஒன்றிய நடுநிலைப் பள்ளியில் உள்ள எட்டாம் வகுப்பு மாணவர்கள் எடுத்துக்கொள்ளப்பட்டனர்
6. செயலாய்வு கருவி :
 - நூலகப் பயணம் , இதழ்கள்
 - வீடியோக்கள் , நழுவங்கள்
 - கதைகள் மீளாய்வு, நூலக பயண வீடியோக்கள்
7. செயலாய்வு முறை : வினாநிரல் வாயிலாக மாணவர்களுக்கு முன் தேர்வு பின் தேர்வு நடத்தப்பட்டு செயலாய்வு மேற்கொள்ளப்பட்டது.
8. முடிவுகள் :
 - முன் தேர்வு சதவீதம் 52.3 % பின் தேர்வு 68.07 % உள்ளது
 - முன் தேர்வு சராசரியானது 10.46 பின் தேர்வு சராசரி13.61.
 - முன் தேர்வு இடைநிலை 11 பின் தேர்வு இடைநிலை 15 ஆக உள்ளது.
 - முன் தேர்வு சராசரியின் திட்ட விளக்கமானது 2.98 பின் தேர்வு திட்ட விளக்கம் 2.78 ஆகும்.

PHOTOS



முன் தேர்வு



நூலகப்பயணம்



செயல்பாடு



பின் தேர்வு

- 1. Name of the Investigator** : K. THILAGAM, M.Sc, M.Ed, M.Phil
Lecturer.
- 2. Name of the DIET** : District Institute of Education and Training
Padalur - Perambalur district.
- 3. Title** : ENHANCING THE UNDERSTANDING LEVEL OF
ADAPTATION OF BIRDS AMONG VI STANDARD
STUDENTS
- 4. Objective** :
 - To identify the understanding level of Adaptation of Birds among VI standard students.
 - To Develop appropriate strategies by incorporating ICT
 - To implement the strategies to enhance the understanding level of Adaptation of Birds among VI standard students.
 - To assess the student's understanding level of Adaptation of Birds among VI standard students.
- 5. Sample** : Students studying VI standard in PUMS,
Vijayagopalapuram, Alathur Block, Perambalur District
was selected as a sample for this study.
- 6. Tool** : Achievement test questionnaire with 20 objective type
questions will be prepared for testing previous and post
knowledge of the students
- 7. Methodology** : Simple Experimental Method
- 8. Findings** :
 - The study reveals that the scores gained by the students in the post test were more than the scores obtained in the pre- test, from this it is understood that there is a very good impact due to use of ICT in teaching.
 - The low achievers were understood the Adaptation of Birds.
 - The techniques followed during the treatment has helped to create interest, understanding and manipulative skill among the students and helped to gain more mark in the post – test.
 - Through virtual strategies the achievement level of the understanding of Adaptation of Birds was increased among VI standard students.

PHOTOS



1. **Name of the Investigator** : K.REVATHI, M.Sc, M.Ed, M.Phil
Lecturer.
2. **Name of the DIET** : District Institute of Education and Training
Padalur - Perambalur district.
3. **Title** : ENHANCING THE SKILL OF MEASURING ANGLES IN THE IMMEDIATE ENVIRONMENT AMONG SIXTH STANDARD STUDENTS
4. **Objective** :
 - To identify the understanding level of “Measuring the different angles” among VI standard students.
 - To develop appropriate strategies by incorporating ICT
 - To improve the application of measuring the different angles in the immediate environment.
 - To assess the understanding level of Measuring the different angles among VI standard students.
5. **Sample** :
The investigator had selected thirteen VI standard students who are 14 girls and 18 boys from GHSS Therani, Perambalur district.
6. **Tool** : The investigator prepared the pre-assessment test and post-assessment test (Annexure 3) for evaluating achievement in identifying angles, including the types of angles (e.g., acute, obtuse, right angles), angle measurement, angle relationships, and practical applications of angle concepts in real-world scenarios. The assessment sheets contain a total of 20 questions, all of which are objective questions related to angle measuring skills
7. **Methodology** : This study is a single group Experimental Design.
IMPLEMENTATION OF ACTIVITIES
 1. Conventional Teaching Materials
 2. Activity-Based Learning Materials
 3. Animated Videos
8. **Findings** :
The pre -test results shows that among the 32 students, maximum of 17 students having scores in the class interval (85%) between 21 and 30 and not having scores in 51-60, 61-70, 71-80, 81-90, 91-100, intervals.

In the post- test among 32 students, 4 students (20%) having scores in the class interval between 41-50, 5 students 25% having scores in intervals 51-60. 8 students 40% having scores in intervals 61-70, 12 students 60% having scores in intervals 71-80, 3 students 15% having scores in intervals 81-90 and 2 students 10% having scores in intervals 91-100.

PHOTOS



1. **Name of the Investigator** : R.RAJARATHINAM., M.A.,M.Ed
Lecturer.
2. **Name of the DIET** : District Institute of Education and Training
Padalur - Perambalur district.
3. **Title** : “ELIMINATING THE DIFFICULTIES TO UNDER
STAND ADVERBS IN ENGLISH GRAMMAR
AMONG VIII STANDARD STUDENTS IN
PERAMBALUR DISTRICT”
4. **Objective** :
 - To know about Adverbs
 - To identify the adverbs in the basic language skills
 - To use the adverbs in sentences
 - To implement the Adverbs in the basic language skills .
 - To develop the skill of using adverb in the English language.
5. **Sample** :

Students who were studying standard VIII of Government higher secondary school Veppur, Veppur Block in Perambalur district were the sample of the study. There were 25 students present in the class.Out of 25 students 15 were boys and 10 were girls. All the students were selected as the sample of the study
6. **Tool** : Achievement Test question paper for pre test and post test was used as a tool.
7. **Methodology** :
 - Experimental method
 - Single group- Pre-test, and Post-test design
8. **Findings** :

The salient features of the study are enumerated below.
1. In the pre-test 88% of the sample got below 50. 2. In the pre-test the Mean value was 31.88 and in the post-test the value was 61.52 3. The greater mean difference was found between pre-test and post-test scores.

PHOTOS



1. **Name of the Investigator** : S.UMADEV I, M.Sc, M.Ed, M.Phil
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2. **Name of the DIET** : District Institute of Education and Training
Padalur - Perambalur district.
3. **Title** : IMPROVING THE UNDERSTANDING
THE CONCEPT OF AIR POLLUTION THROUGH
ICT AMONG VI STANDARD STUDENTS.
4. **Objective** :
 - To identify the understanding level of air pollution among VI standard students.
 - To develop appropriate strategies by incorporating ICT.
 - To implement the strategies to enhance the understanding level of air pollution among VI standard students.
 - To assess the understanding level of students on the concept air pollution
5. **Sample** : Students who were studying standard sixth of
Government Higher Secondary School, Elambalur in
Perambalur District, were the sample of the study.
There were 27 students presented in the class. Out of 27
students 14 were boys and 13 were girls. All the
students were selected as the sample of the study.
6. **Tool** :
 - An achievement test conducted from the six
standard science textbook was used as the tool for the
study. Questions were constructed from the portion
air pollution.
 - A pre-test containing twenty MCQ type of
questions.
 - A post-test containing twenty MCQ type of
questions, were used as the tools of study.
7. **Methodology** : Single group experimental design.
8. **Findings** : The salient features of the study are enumerated in the
Pre-Test Mean Value was 37.40 and in the Post-Test the
Mean value was 76.66.The greater mean difference was
found between Pre-Test and Post-Test Scores.

PHOTOS



Bingo Game Activity



True or False Activity



Worksheet Activity



Group Activity

- 1. Name of the Investigator** : D.DEVARAJAKUMARI, M.Sc., M.Ed., M.Phil.
Lecturer.
- 2. Name of the DIET** : Block Institute of Teacher Education
Veppur - Perambalur District.
- 3. Title** : ENHANCING THE UNDERSTANDING OF HUMAN
ORGAN SYSTEM AMONG V STANDARD
STUDENTS THROUGH ANIMATED EXPLAINER
VIDEOS
- 4. Objective** :
 - To identify the problem of understanding the concept of the Human organ system among V standard students
 - To develop the appropriate Animated Explainer video of the Human organ system
 - To implement the Animated Explainer video among V Standard students.
 - To assess the level of understanding the concept of Human organ system among V standard students.
- 5. Sample** : The study is planned for V standard students of Panchayat Union Primary School Nerkunam, Veppanthattai Block, Perambalur Dt, consisting of 20 students were the sample of the study.
- 6. Tool** : Probing some questions in the concept of Human organ system and testing the achievement level of the students.
- 7. Methodology** :
 - The present study comes under experimental type. It's a single group pre-test and post-test design.
- 8. Findings** : The following are the findings of the study
 - The average mean scores of Pre-test were 4.7 and the post-test 8.9.
 - The Standard Deviation varies from 0.58 to 0.73 for Pre- and Post-tests.
 - The average Mean scores of boys' and girls' pre-tests are 4.93 and 5.58.
 - The average Mean scores of boys and girls in the post test are 8.15 and 8.43.

So the Animated Explainer Video on the understanding of the Human organ system has a good impact on the performance of V standard students.

PHOTOS



- 1. Name of the Investigator** : K.SELVAM, M.Sc., M.Ed., M.Phil.
Lecturer.
- 2. Name of the DIET** : Block Institute of Teacher Education
Veppur - Perambalur district.
- 3. Title** : DEVELOPING THE UNDERSTANDING OF AIR
POLLUTION AMONG STANDARD V STUDENTS
- 4. Objective** :
 - To identify the Problems of understanding the concept of Air Pollution.
 - To develop the Multimedia techniques by incorporating videos and PowerPoint of Air Pollution.
 - To implement the Multimedia techniques among V standard students.
- 5. Sample** : The sample had collected from the Panchayat Union Primary School, Moongilpadi, Veppur block, Perambalur District. Totally 20 V standard students had selected who are 13 boys and 07 girls from this.
- 6. Test** : The investigator had taken all the students of V standard from Panchayat Union Primary School, Moongilpadi, Veppur block, Perambalur District. The investigator conducted the achievement of pre-test in identifying the previous knowledge of Plant Air Pollution through the achievement test question paper.
- 7. Methodology** :
 - Experimental method
 - Single group- Pre-test, and Post-test design
- 8. Findings** :

The following are the findings of the study

 - The average means score of pre-test is 34.25 and post-test is 72.5 respectively.
 - The average mean scores of boys and girls pre-test is 35.38 and 32.5 respectively.
 - The average mean scores of boys and girls post-test is 75.00 and 73.57 respectively.

The greater mean difference was found between Pre-Test and Post-Test Scores (38.25%).

PHOTOS

