

St. Joseph College of Teacher Education for Women Ernakulam



CRITERION II

2.7.5 Performance of students on various assessment tasks reflects how far their initially identified learning needs are catered to

(Documentary evidence in respect to claim)

Submitted to

National Assessment and Accreditation Council (NAAC)
3rd Cycle of Assessment



2.7.5 Performance of students on various assessment tasks reflects how far their initially identified learning needs are catered to

(Documentary evidence Of the need Student Diagnosis)

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1	Student Diagnosis	Case study	1-29
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Case Study

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Introduction

Case shely in psychology refers to the cise of a clescriptive Research approach to obtain an in-elepth analysis of a person, group, or phenomenon. It variety of techniques may be employed including personal interviews, direct observation, psychometric tests, and archival records. In psychology case sheles are most often used in clinical research to desurbe race events and conditions, which contradet well established principles in the field of psychology.

Case shudy is generally a single-case design, but can also be a multiple-case design, cohere replication instead of sampling is the extensor for inclusion. Like other research roethodologies within psychology, the case shudy must produce wall and reliable results in order to be useful for the development of fibre research. Distinct advantages and absording are shudy in psychology. The case shudy is sometimes mistaken for the case method, but the two are not the same.

One major advantage of the case shedy in psychology is the potential for the devolopment of novel bypotheses for later testing. Second, the case shedy can provide detailed later testing. Second the case shedy can provide detailed descriptions of specific and save cases. Major deadvantage of case shedes is that it cannot be used to determine causation. It cannot necessarily be generalized to the larger population and cannot demonstrate cause and effect. It may not be scientifically suggrous and can lead to bias.

Researchers may choose to perform a case shoty if they are interested in exploring a unique or secently discovered phenomenon. The insights gained from such sesearch can help the sesearchers develop additional ideas and shoty questions that might be explored in folioe shotes.

However, it is important to remember that the linsights gamed from case strates cannot be used to determine cause and effect relationships between variables. However, case shates may be used to develop bypotheses that can then be addressed in experimental research.



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Objectives

The main objective of the case study is to provide understanding of a child's total personality and to help in removing the endesinable behaviour. It is useful to obtain specific information about innerport of one's life.

Some other general objectives of a case study are:

- * describe an individual situation (case). eg. a person, Business, organisation or inshir hon in detail.
- * identify the key issues of the case.
- * to analyse the case using relevant theoretical concepts from ent or discipline.
- * Recommend a course of action for that particular case. (pasticularly for problem-solving case studies).
- generalise the knowledge estained to all similar cases.
- explose realty to formulate a theory.
- to describe copat bappens in the ease.
- explain the causes that cause it.

Unlike many of the other existing lypes of research, the case study is inductive, ce, it goes from concrete situations to a general explanation.

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Scope in Education

Child sholy provides information in psychological states evaluating the development of the states and norms of behaviour of child. Again if gives imformation in psychological process like learning motivation, maturation and socially acceptable life; moreover it gave practical suggestions for guidance of the child as growth and development flow to pass personal and social components of their authore and each cultive with the murbes of other characters.

Case sholes are often used in exploratory research. They can help us generate new ideas They are an important coay of illustrating theores and can help to show alfferent aspects of a person's life are related to each other.

Case shotes allows a sesenches to investigate a topic in more deficit than might be possible if they were trying to deal with a large number of Research postripants with the aim of energy. The method is impostant for psychologist who adopts a bolsh's point of view.



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Common Procedure

A case shidy research design usually involves qualitative methods, but quantitative methods are sametimes also used. Case shides are good for desurbing, comparing, evaluating and understanding different aspects of a research problem.

Observation

It is the popular method to shudy the behavioral pattern of an important in achal life situation. In this method, the observer decides what personally traits and characters are needed to know and then observe the selevant activities of the subject in real life situation. The following are the important types of observation:

- (a) Participant observation: It is the type of observation in which the observe becomes the part of the group each he wants to observe.
- (6) Mon-pasticipant observation: In this type of observation, the observer observes the group under study corthocut achally pasticipating in its activities.
- (c) Controlled observation: In controlled observation, observation is made under controlled conditions. In this, the observer may equip an experimental laboratory with manifold objects.
- (d) Uncortabled observation: Here the observation is close in mahral setting as they occur spontaneously like Joseph

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Interview

An interview is a class-collection encounter between two or more people cuben questions are asked by a person (interviewer) to obtain information from another person (interviewer). It is a face-to-face on long obstance discussion between two or more people to collect information.

Types of interview: There are how types of interview - structured and unstructured

- plan of interview. He may use either a list of questions or Checklist of general topic as a gorde.
- (b) Unstructured interview: In unstructured interview, the interviewer in free to develop the conversation along the lines that seems most suitable to him.

Questionnaire

A questionnaixe is a research instrument Consisting of a series of questions for the purpose of gathering imformation from respondents through scurrey in blanchard strong. The questionnaire was invented by statistical society of London in 1838. Buestionnaires have advantages over some other types of surveys in that they are cheap, do not require as much often have standardsed answers that make it simple to compile clata.

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Sociometry

Of 18 a method of answeing the social relationship among the members in a group through the measurement of frequency or non acceptance between the individuals of the form. The data collected teacher could be make a social map coket is known as sociogram. A sociometric technique is an important standard, men standard technique to absover the native of relationship of individual corthin a group.

Brography

Of involves more than just the Basic facts like education, work, relationships and cleath; it portrags a person's expenence of life events. Unlike a profile or correction vitae (resume), a Brography presents a subject. life story, Bighlighting varous aspects of their life, including instimate cletats of expenence, and may include an analysis of the subject's personalty.



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Introduction to Case Study

internship programme for about four months from October to 3rd february 2023. It was to improve our teaching competency. My teaching practice was at 84 Mary's Chitis. Krnakulam. I took brology for the classes VIII D and IX A. As a part of this insternship programme, for the practical work of KDU 302. 1, I have done a case stay based on learning problems on one shotent from class IX A.

Dr. 8r. Soya Mathew gave as proper instructions hegarding the case shoty and for the completion of work.

for finding out one student who have learning problems, I observed students of my concerned class for one month. Within one month itself I could find the shdent with proper observation and analysis, I was able to select the shdent and shoted her problem. Her name was Amupama Sumesh.

Anopama Somesh is basically an instrover! chld who slingles to communicate or insteact in a group. She has a very low and slow action in all classes and ren group activities. She very rarely participate in group drivities and greed a back support to open up her mines to present her views. Even though she know the answer stre has a guilt feeling and heritation to speak up in the class. She has low academic performance and has no interest in mon and co curricular activities.

She segularly fats in exams and mot even completes be homeworks. When an attempt to talk to be was done, if sequires great effort for me to make be talk about besself and her family- Beyond this, she find it very difficult to write and completing sentences. Her writing skills are very poor.

She joined this school when she was in 7th standard when was felly conducted in online sessions. Because of this, teacher's also had a low rolea about her proper conditions. I selected her for my case shody and collected in formation from her old class teacher, friends and by many anethods like observation, interview, Questionnaire et.

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Methods used to collect data

Relevant class are collected from the teachers friends parents and besself through various methods. This methods beloed a lot to 'complete the case shody evell. The methods cosed for class collection are observation, interview, class test 1 ackievement test and other class com activities.

1) Observation

Observation means the examination of something especially for the collection of data. It is the oldest and omust commenty exect technique of observing. I started observing Amupama from the first week itself. I moticed her for the first time cohen she was sitting alone in the last beach. She replied to my questions only through modeling the head. She always evanted to be alone. She talk only to just one shedent coho sit aside her. She is not attentive to the class. She talks less. I observed her for one month about her behaviour, way of talking, preventing Besself to the class, way of presenting an and prepared interview questionnaire to ask to fielha fathima her friend and thus to redently the problem.

2) Toterview

Onterview is a technique of collecting information disertly through face to face interaction. After one month observation, I decided to talk to be personally. I asked about bes 8 heles, friends, family, place et. I note down the

detals in the charg. I moticed her performance in the class and talked to her cuben she comes to school. Most of the day, one and Anopama even in the same his in the amorning. So we had conservation and understand about her problem.

3 Comulative Record

maintained in the school for the shount Dt contains fachal, objective and professional information regarding a shounts academic progress, and term and final marks et. Amepama joined at 81. Many's C. G. H. S. S., Ernakulam when she was in 4th etandard. The imformation regarding her show, extra conviction activities, health conditions et. was collected from this 4th standard class teacher Mrs. Meeno Shekhar. She gave me academic information and classoom interaction details.

Moreover her knowledge was I mited since the entire year was done calmi:

4) Achievemen test

Claus tests are conducted after the completion of each out first class was taken on the chapter 'respiration'. So I conducted class test on that topic. The secured very less master in the class test. The class test or achevement feet belowd me to understand about her learning level and to understand ber learning problem. The was mot taking effort to get good marks in the exams.

5) Pagjective tests

Alet a pesson respond to ambiguous stimuli, presumably

Revealing holden emotions and internal conflicts projected by the person into the test. This is sometimes contrasted with a so called "objective test" | "self-report test", which adopt a "structured" approach as responses an analysed according to a presumed universal standard and are limited to the content of the test. She completed the test properly and banded it to me.

Procedure Of the Study

The present study of understanding the child lasted for about three months during the internstip programme. The selection of the child was done within a month and selevant data was collected within a particular time period.

Valid information was collected through observation, interview, achievement test, projective test et. I used to observe her eleving the school boers and down my dans observe her eleving the school boers and down my dans hours. In order to collect more informations about her, to detail, I interviewed her as well as her peer and did a projective test.

Description of the Case

The child I have selected for the case shody was a sheder from class IX A of St. Mary's C.G.H.S.S., Kanabulam. She was Arropama Somesh. She was seemed to be an improvest with least interest in academics

of non- academic activities. When I observed I found that she had some officethes in conting and escually the secures lowest scores. The hesitates to speak in dansoom and mot have friends except one. She won't answer if we asked anything and exect to mod her head to answer the questions. She also used to be absent in the class regularly. It requires great effort for the leaches to make her talk

General Data about the child

Name of the shident : Anupama Sumesh.

: female.

Home : Wellikkapparambil (h)

Isumbanam P.O

Papunithura

School Address 84 Marejs C.G. H.S.S, Exnakulam.

Standard : IX A

Name of the father : Sumesh Saji

> Kducation : +2

Occupation : Pub diver

Name of the Mother: Minmol Pskjoseph College Women,

Education : Degree

Occupation : Office staff in a private from

Siblings: Brother (Studying in fourth standard)

Physical Condition and Health

Anopama's health is mounted the is 155 em and coeight around 53 kg. The seems to be healthy and fit.

Fear / Phobias

Anopama said that she feels hestalion to come to school and have fear of fearhers. She does not have fear of falong the exams but a food of oral test.

Happiness

She feels happy to be alone and likes to draw pickres. She used to paint occassionally.

Angel

She feels anger cohen friends make for of her and cohen parent scolds her.

Educational Conditions.

The hates to study the segular topics and hates ber school and fellow beings. She said that she don't want to do any kind of school activities. She scores the lowest scores in the class.

Co-curricular activities

She is not found active in any co-curricular activities. Her teacher told when she is compelled to participate any kind of extra activities she used to be absent on those days. However American Loves pleasing and paintings, but nover participated in competitions.

Ambition

When I asked about her ambition she doesn't wanted to suply I It seems lke she dosen't wanted to shows on any kind of goals or she may not have any ambilion. Color I compelled her, she said that she just wanted to be an artist.

Achievements

There were no considerable cerricular or co-conciderable cerricular or co-conciderable

Memorable life experience

comment she smiled and she says about the Rappy comment she smiled and she says that she become happy when she see a beach, which was happened for years before. And she wakked sunset them. That was the happiest moment in her life Min Joseph

Party I moment - Her beart Broken when she found that her grand mother is no more . She said that she felt alone at home dowing the could online clave.

Ser general mental emolion and personally to an extent, which was all mormal.

Analysis

This case shoty provide an oppositivity to have an overall imformation about a child in my class soom. With the cree of data collected, I concleved that Amupama Sumesh is an existence introvert child who. have fears about school; class, teacher che for some seasons. The lacks to gain confidence in things like painting. The is not intrested in claims any activities at school. The feels had as Besistale to present her classings infront of her class mater even infront of her parents.

Because of lack of interest in shokes, she has low academic improvement. She closen't want to share her releas in front of the class. Always used to sit alone. She closen't talle too much. She become blank when the teacher asks her anything she should shrewing. Prom the informations, I undertoot that she need extra care and time. Teacher should consider specially. Entra classes and workshops might belp her to being up from the asher of Besitations

Gividance and Counselling

Rividance 18 a process of assisting on Belping the gludents by proposely leaved leaves. Budance and counselling have, in all places; been a vital aspect of higher education. One of the purposes of education is to belp the individual in becoming a useful member of society. If an individual seceives education without proper quidance and counseling, be she is not able to develop his ber personalty fully.

Ruidance Based upon the fact, Roman Being needs help. Every one needs anistance at some time in his life, some will need it constantly colle other used in only at saw. "Counselling is a method that below the client only at saw. "Counselling process to secognize and manage to use a problem- solving process to secognize and manage then and that factioistic interpressonal selationship among olent, family and bealth care team".

Amepana is a girl who demands can and affection. When I motived her for the first time, I started to talk to her and communicated slowly with her. I put any effort to gove her monimum support to bring her up and to be motivated. I asked questions and seeks from her. I encouraged her dering my class by asking questions in a very friendly manner and askides opinion.

Mice Toreph .

Remedal Recommendations.

Popil should motivate and should friendly connect to Brupama so that she interach in a social amini environment. It is the duty of teacher to feet her sewer and comfort duing the class and should encourage they to make friends with other should be little more aware about her behaviour and how the class seach to bes.

Proper guidance and counselling should be given for her mental development. Parents and leacher should take special attention and help her to make her academic performances better. Compel her to speak up and to take part in entra-turnicular activities bei sesponsibilities, that may believed best to barry beiselife up. Entra totion should provided in the school for improving her academic. performances.

Implementation procedure to overcome difficulty

After summarzing the informations collected on Amopama Sumesh, I segularly observed the behaviour, performances, character during the class and outside the class. I created a few quirable environment inside the class soom for no pama, compared to the earler times, the became Dittle amore active in class activities,

o) used to give bes attention and make be sead the content from biology text. I gave be anistance and slowly I used to give be some tips and gentlines to stroky. I encouraged be decuvings and partings and apprecialid in the day.

Result

After the implementation, then were some charges that I observed in Anypama's character. She began to be pleasant in the class. She started to ask aboubts. Stadied to not effort to improve her academic performance. Towards the and of internship days, she became frendly with me and tried to learn new words each day.

The started to cleaw and point wheneve she get time and took to the school to show me. She took past in parter competition conducted as a part of clob activity.



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Report

As a part of B. Ed coxxcolom, we have an internship pregramme for about fow months from October 2020 to 3rd february 2023. My feating practice was at St. May's C. G. H. S. S., krakulam. As the part of internship programme, a practical work of EDU 302. I was thew. That was case shody. After one week of observation. I selected one shodent and completed my case sholy, within two months.

9 selected Anopama Someth of clan IXA.:
9 selected her because 9 found some observable
Backward new im the sholent from the early days of my
internship programme.

After observing the shotest during the mitial days. I prepared some question to ast her. I collect informations from peers and teather. Firstly she heritated to answer, but I tried my best to collect maximum imformation. I referred the previous records of Prepare and concluded some findings from it. The answer sheet of ber during the class test was observed and found that the fire fair some curiting problem. I also conducted a projective test to know her character and her mental conditions.

about my case 9 understood that she is an introvert

and shows etfliculties im communication and contrag.

After analysing the class peoper semedal measures ene
implemented. I lied they best to make ber active in the
class and encouraged her in ber academics. I tred to give
confidence in her intensting areas like pointing and
drawing.

Doing this peached case study, I felt a sense of satisfaction. I got an insight on how to act accordingly and how a teacher should be in the class. Teacher should observe each and every sticlist. Individual attention can improve shockerts academic performances. That will insture leads to enhance the Relaten talents of the sholents.



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of on clepth investigations of a of on community. Typically, a vacety of sources and by thools leg. Observation and

in chrical medicine (the case bistory, ii, the patient's personal history). In psychology, case shicker are often confined to the shidy of a particular individual. The information is amainly brographical and relates to events in the individual's past (ie, retrospective), as coell as to significant events which are correctly occurring in his free everyday by.

The case shudy is not itself a sesearch method, but sesearcher select methods of data collection and analysis that will generate material suitable for case shudes.



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BIODATA

General Information

- 1. Name:
- 2. Sex:
- 3. Date of birth
- 4. Religion
- 5. Community
- 6. Birth place
- 7. Address
- 8. Father's name
- 9. Occupation
- 10.Mother's name
- 11.Occupation
- 12.Siblings
- 13. Nature of family

Health status

- 1. Physical conditions
 - a. Height
 - b. Weight
 - c. Physical illness (if any)
- 2. Mental conditions
 - a. Emotional balance
 - b. Ways of expression
 - c. Introvert/Extrovert
 - d. Fears, phobias
 - e. Anger with what/whom
 - f. Happy with what/whom

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allechen

for

- g. At peace-when
- 3. Educational conditions
 - a. School life
 - b. Favourite subject
 - c. Least favourite subject
 - d. Special interests
 - e. Co-curricular Literary, Social, Nature, NCC, Sports, Arts
 - f. Hobbies
 - g. Achievements
 - h. Ambition
 - i. Experiences in life memorable, painful, happiest
- 4. Projective test
 - a. Word association test
 - Father
 - Mother
 - Teacher
 - Friend
 - Life
 - School
 - b. Sentence completion
 - I am
 - I like
 - I fear
 - I value
 - I enjoy
 - I want
 - I hate





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Arts

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Reflective Sournal

) Description of the evants

Conducted based on the learning problem of a sholent. I selected a sholent from IX n of St. Many's C. G. H.S. S. Kanakulam. The time period was from outober 2022 to 3rd february 2023. I selected tools and conducted the case sholy.

a) feeling.

Observation of found the student and in my inner beast their generalid genuine concern towards Best This case study was my first work and I was very thatled in this work.

3) Evalvation

Her first I found difficulty in insterviewing her but after few conversation, we become more close and that connection helped alot to complete my work. In the limited time, I lied to encourage her to perform better.

Amalysis Mile Joseph

able to know more about the strength and

weaknes of the shelents and can gerde them properly.

on Conclusion

Case shockes are generally a single-case design. It is mot itself a sesearch method. It is generally an im-depth investigation. This work helped me alof to understand the problem faced by the shockent in my class.

() Action plan

If I had more time, then I cociled Belp Ber anoxe in learning Basics and spellings. With this practical, I gained confidence to Build up appropriate general activities for the chlarer. I will definibly apply the ease shody model to condesstance the differences, in my class.





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EDU 302.1 PRACTICALS ACTION RESEARCH

A STUDY ON THE INEFFECTIVE NOTE-MAKING SKILLS OF STANDARD IX STUDENTS OF ST. AUGUSTINE'S HIGH SCHOOL, KALOOR.

Submitted by, Vyshnavi N. Sarma 2132 4011 2350, Natural Science



Submitted to

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Mice Joseph Education for Women,

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Submission: 07/02/2022

ST. JOSEPH COLLEGE OF TEACHER EDUCATION FOR WOMEN

ERNAKULAM, KERALA

CERTIFICATE



This is to certify that **Vyshnavi N. Sarma (Reg: 213240112350)** of St. Joseph College of Teacher Education for Women Ernakulam, has completed action research entitled as "A Study on the Ineffective Note-making skills of Standard IX Students of St. Augustine's High School, Kaloor." for the partial fulfilment of the requirement for the award of the B.Ed. degree course during the academic year 2021-2023.

Date: 06/02/2023

Place: Emakulam

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Teacher in Charge

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Introduction

detion research refers to a wide variety of evaluative, estigative and analytical research methods designed to another problems or weaknessess — organizational, academic first such onal — and help the educators develop practical whom to address them quickly and efficiently. How research may also be applied to programs or ucational techniques that are not necessarily experiencing y problems, but that educators simply want to learn me about and improve.

Action research is an approach to educational earch that is commonly used by educational activitioners and professionals to examine and ultimately prove their pedagogy and practice. Thus, action research presents an extension of the reflection and critical freflection that an educator employs on a darly sis in their classroom.

When the students are engaged in active leaving ocenses, the dynamic and uncertain nature of the strooms alemands the attention of the education constantly videring these demands are posterior flootingly done the educators owing to the lack of the time, finance other issues. Action research offers one path to more iberate, substantial and critical reflection that can documented and analyzed to improve an educator's peached

Steps in Action Research

Action Research is a 6-step process. They are:

In educator should be serious about various activities. The problems of the class shall appear large, which need to be treated at the grassroot levels. Thus one must isolate the problems from the broad fields. The researcher should also realize the seriousness of the problems.

Definition and Delimitation of the Problem.

After a problem has been identified, one needs to properly define and delimit the issue so as to pinpoint the exact problem that is troubling the class.

Defining the problem specifies the goal for action research.

Delimitations means to localize the problem in terms

of class, subject, group and period is which a teacher

perceives the problem.

6

Analyzing the lauses of the Problem.

The colores of the problems are analyzed with the help of some evidence. The nature of courses is also analyzed so as to check whether it can be brought under the control of the educator or not. This is a crucial step in action research as its helps the educator in the formulation of action hypotheses.

Designing the Action Hypothesis
The formulation of the action hypothesis is
the fourth and important step of action research.

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An action hypothesis is formulated by taking the auser of the problem into account, and tailoring solution that specifically aims to solve the problem two or more action hypothesis many be formulated, that aims to solve the 1850e. A design for testing the most important action hypotheses is developed, and if the hypotheses are not validated, a second lesign is developed for testing the hypothesis.

Conclusions and Findings of Action Research.

The accepting of rejection of action hypotheses shall lead to the drawing of some conclusions. These conclusions are useful in either redisigning the research or in modifying and improving the current practices of school and classoon teaching.

Reporting the outcome of Action Research.

The issues, causes of the issue, the hypotheses and the processes underwent to find a viable solution to the issues are recorded and finalized into an Action Research report for future references.

Mice Joseph

horacteristics of an Action Research According to Creswell, Action Research has 8ix key rarecteristics ? A practical focus, The education-researcher's own practices, Collaboration A dynamic peocess and A plan of research Sharing research. Creswell asserts that understanding the above features I help teachers design their own study to read, evaluate I use an action research study fublished in literature in better in better. rinciples of Action Research Boigia and Schuler describe the peinciples of action search as Five C's. Mice Joseph Dr. Alice Joseph Commitment Principal in Charge Collaboration Joseph College Women, Education for No. Concern Consideration Change.

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ignificances of Action Research. ction research has the following morits, as it helps to: Professionalize the work of teachers, and their efficiency. Comprehend the teacher's own work or practices. Find out ways and measures to make one's teaching of other practices better Find out ways to bring changes that are thought necessary to make one's teaching or practice more effective.

Work on or deal with problems identified by teachers and principals theruselves. peincipals theruselves. Make the work of teachers more effective Meet the needs of divergent student body on the basis of research. Encourage teachers to study and evaluate their own teaching and to think about improvements. knowrage collaborative work by teachers and principals. Effectively professionalize the development of teachers and principals through continuous learning and progressive phoblem solving. Develop theoretical problem-solving skills and expanding scientific knowledge leading to better future decisions and Enhance the competency of the steachest meseascher through a learning process that is rightegrated to the action sessearch process.

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Action Plan

As part of the B. Ed. Curriculum, I had to conduct action research at the school where I was to do rearch among the students of class IXB of Augustine's High School, Kaloon, and the problem had addressed during my term their was their ik of people note making skills.

As I was routinely correcting the notes submitted y the students, I realized that the students were andly copying down the paragraphs of stata given their textbooks as such. When I asked the students share their notes of other subjects, I realized that a problem persisted across almost every other subject ecially Sciences and Social Studies. Theor quixxing ens about the content, I could see that the ulk of the contents that was copied down from texts were either mugged up by them, or Mally or totally lost on them. This made me idenstand that their note making skills had be improved, and that this blinded by the problem need to address warmy Action research of thrommenced my hearth on 27th October 2 dods and finished the study in month, 27th November 2022. I titled the subject

my study as "The Ineffective Note-making skills standard IX students of St. Augustine's High School, about."

Statement of the Problems.

The topic or the peoblems that I selected for my thon research was titled "A study on the Ineffective te-making skills of standard IX students of St. Augustine's John School, Kaloor.

Definition of Key Terms in the Problem

Note-making: The process of reviewing, connecting and synthesixing ideas from a lecture or from reading.

Note-making skill: The ability to record important information accurately and concisely so as to recall it correctly later.

To improve the overall note-making skills of students. To simplify difficult processes into eindenstandable chunks to improve the retainability of information in memory by simplifying the complaint of the notes. To encourage the practice of making lecture notes. To stimulate the lisual element and sense of learning so as to retain the information in long term memory.

to help students save time and energy that they invest copying down large texts without grasping the content. To improve the speed and efficiency of note-making in students.

Causes of the Broblens

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During a routine correction of the notes, I sandomly exceed a few students on the contents that they had ten in their books. To my shock, I could see that students were struggling to even remember the apt of their own notes, let alone put them into properly structured sentences. Upon further enquiry, received a lot of reasons for their inability to answer or quixing the contents, of which the highlight was about the notes, which simply confused in about the entire processes that they had writen on.

I could see that the students remembered a few want terms regarding the questions, from which could understand that they were attentive during lectures, but their minds were confused once they detures, but their minds were confused once they detures, but their minds were confused once they delack of the textual information in their textbooks a lack of people maintenance and correction of water a also another reason for poor note-making.

List of Probable Causes of the British on tour the Bridgest aught ack of paying attention tour three content being taught ack of interest of students in the subject.

Teacher not providing simplified teaching-notes.

Teacher giving less input towards note-making styles of students Teacher asking to make note of every relevant and industry piece of information, confusing the students students highlighting the relevant and irrelevant pieces of information without any form of prioritizing. Daiting without listening to the instructions being Lack of proper review of the notes by both teachers and students Noting down everything. Not being topic specific. Incomplète notes or total absence of making notes. I found out the probable causes of the problems enquiring the students and a few teachers, through lewation of the note-making practices of the students d the review practices of teachers and the students. is made me help formulate a few action hypotheses solutions for the problem.



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mulation of Action Hypothesis "I hypothesis is an assumption or proposition whose testability is to be tested on the basis of the compatibility of its implication with empirical evidence with previous provided on " knowledge. -Greorge, J. Mouly. An action hypothesis is one that's formed in an action uch, which limolves the collection of data on all bilities, causes and conclusions, and choosing the ist appropriate and likely among them. Thus, an ion hypothesis provides Clarity and direction to solve After thoroughly studying the various probable causes the ineffective note-making skills of the class IX dents of St. Augustine's High School, Kaloos, through wiries and observation, the following hypothesis a proposed: lonstruction of mind maps makes information simpler to note down, recall and quick to review, and considerably improve the note-making skills of the students." Min Josephor Mind Map shows the shapet

the subject, the relative importance of individual birts and the ways is which facts relate to re another.

Mind maps were popularized by the author and walkant, Tony to used a two-dimensional aucture instead of the list format that was conventionally ed to take notes. Mind maps are more compact than wentional notes, often taking up just one side of popularition and generation of new ideas can be made by by the construction of mind maps. They can be used to break down large processes or projects to manageable chunks so that one can learn or manageable chunks so that one can learn or manageable chunks so that one can learn or getting something important.

Implementation and Teoting of Action Hypothesis.

The concept of mind map construction was novel to students. Therefore a mind map construction training a provided to the students on 4th November, 2022.

Le basic steps in the construction of a mind map are taught to the students along with an ample from the topic "Mechanism of Breathing" me the unit seathing for Machanism of Breathing.

The steps of manufactured on the students are follows:

Write the title of the subject or project that you're exploring in the centre of a page and draw a circle around it.

2. Draw lines out from this circle as you think of subheadings of the topic, or important facts or tacks that relate to the central topic. habel these lines with your subheadings

Dive deeper into the subject to uncover the next level of information such as related sub-topics, facts etc. Then, link these to the relevant subheadings

Repeat the process for the next level of facts, tasks and ideas.

As you discover new information or think of additional tasks, add them to your Mind Map in the appropriate places.

A completed mind may may have main topic lines redicating in all directions from the center, with interpretable forking of these like branches and twigs from the structure produced after find-may constructure is immederal, as it shall volve of its own accord.



Mice Joseph

malysis and Interpretation

The students of class (x of St. Augustine's High School, loor were found to prepare notes that served their purposes yestively. The notes prepared by the students were were too bulkey, or partially or totally absent owing to a bulkiness. Quoting the exact staments as such from a textbooks without proper editing made their notes becipherable and very tough to review and for reference need.

After the training session on mind mapping techniques, note-making skills of the students began to improve a great degree within very less time. The students can to plot down the contents in their notebook and by were found to consume very little time as compared their early notes.

For a qualitative analysis, of the note-making skills, a students were asked to propose mind maps of each processes after certain topics as a follow-up tivity instead of preparing short or brief notes twice in week. By the third week, they students became efficient a better note-makers, and their insteading skills are found to have improved exemplify. The students are found to have improved exemplify. The students are tested to ask improved exemples to construct a mind up of Urine townships, which was done very well nearly every events.

but the hypothesis resulted to be true and that e test was successful.

Findings of the Study

At the end of this action research, I discovered a financy causes that render the note-making skills sessed by students ineffective, various strategies that y be employed to help them improve their noteking skills, of which I chose to test the hypothesis Mind - majo construction as the strategy to solve he problem. I chose to implement the strategy by oriding the students with people insight about the teps in mind mapping, a demonstration session mind mapping, various opportunities to develop their and mapping skills through follow-up activities of lessons well as conveying to them the benefits of mind ipping compared to their regular note-making style.

The findings of this study were: Most of the children do not prepare peoper notes.

the notes prepared by the students are mostly the of passages Wilky texts in their texts ooks, in the form

passages

Many students forgo the act principal to of Teating bulk iness of the controller, st. Education for parallely

owing to the

nating notes in large unedited passages lead to retaining of the content by students. The students of the content by he students and the teachers.

The students and the teachers.

This problem, which can be brought about by this problem, which can be brought about by the construction of mind maps, during or post-lectures widing proper training, aucareness of the benefits and the opportunities to practice mind mapping echnique for note-making significantly improved he note-making skills of the student.

Class room detion Resouch is important for teachers to observe and reflect their processes of thing. It is quintersential in education as it steadily rances the teaching-learning environments and ocesses, as well as the abilities of teachers, and by ension to all their students. Action research that yet the practical and theoretical skills of the dents can solve various cursicular and co-curricular and make them better land more organized mers and individuals in life. Touther

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Suggestions and Recommendations. As an instructor, these are a few suggestions I believe can the students to improve their note-making skills. offer a copy of the teacher's notes to the students
Allow students to add their own thoughts and connections
in shared teacher's notes by providing ample space in
the notes. Enabling students to use technology and applications prepare simplified notes to the students. Praining and encouraging the students to prepare lecture Slowed down and evenly paced lecture, so that students receive time to copy the notes. Continually evaluate the students' note taking abilities and aiding them to fill in the gaps. give students time to digest the content, and utilize more ICT aids to make the lessons more lively, catering to multiple senses. Use other modalities in the learning process to increase the engagement of students, such as hands-on-activities, discussions and skits.



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Conclusion

Action research is a vital bool in identifying the challenges affecting students, teachers and communities in general. It must be encouraged to improve and member the future career of the students.

The action research on the topic "A study on the helpertive Note-making skills of standard IX students of St. Augustine's High School, taloor" made me realize the troubles and problems faced by students that can escape the eyes of instructors and students alike, due to a lack of awareness, due to oversight by the sufficitives or many such factors. It also made me industrand the importance of conducting such studies in medicational organization, as they not only improve the quality of teaching and learning processes, but also improves the organizational and professional qualities of the teachers, management and the institution.

With improved information and communication reducingly, it is possible to reduce educational challenges and as a result, improve the performance of both students and teachers. Though action research is effected by many factors, patience and tolerance must be embraced to enhance in congressioner principal college women.

Principal college women entropy of the performance of the congressioner principal college women.

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DIAGNOSTIC TEST

CONSTRUCTION OF DIAGNOSTIC TEST

1. PURPOSEFUL PLANNING

The pupil were administered with a test to identify the area of difficulty. The unit taken for the test was why classification and diversity for sustenance for class 8.

After the rest, it was assessed and analyzed. The students were diagnosed with problem of inability to understand five kingdom classification and six kingdom classification

2. ANALYSIS OF TEACHINGS UNIT

The content area 'classification' was divided into different teaching units. There were 5 subunits or teaching units. The teaching unit was focussed on the basic units. The teaching unit was focussed on the basic Knowledge and then to complex one.

The subunits were:

- (i) Binomial nomenclation
- (ii) Two kingolom classification
- (iii) five kingolom elassification
- (iv) si'x kingdom classification
- (v) Virus

The test items were prepared based on the teaching units or sub-units. The test item consist of 50 multiple doing questions. The questions were of different elificially level.

The test items were prepared in such a manner to provide pleep knowledge in the contrationated. Different provide pleep knowledge in the contrationated test items. Joseph J

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DIAGNOSTIC TEST

NAME OF THE SCHOOL: Sacred Heart High School, Thevara
NAME OF THE STUDENT:
SUBJECT: Biology
UNIT: Why Classification
LEARNING POINTS: Classification
1.Binomial nomenclature
2. Two kingdom classification
3. Five kingdom classification
4. Six kingdom classification
5. Virus
1 proposed binomial nomenclature.
a) Carl Woese b) Carl Linnaeus c) Robert Hooke d) Robert h. Whittaker
2. According to binomial nomenclature, scientific name of an organism consists of words
a) one b) two c) three d) four
3 was proposed to solve the difficulties arising out of an organism being known by various names.
a) nomenclature b) naming c) binomial nomenclature d) scientific naming
4. Scientific name of is <u>homo sapiens</u>
a) human b) dog c) bird d)cat
5. Scientific name of cow is
a) Corvus splendens b) cassia fistula c) Bos taurus d)-homo sapiens
6. The first word of scientific name indicates the Alice Joseph
a) genus b) species c) phylum d) taxon Dr. Alice Joseph
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7. Organisms are classified into kingdoms according to him kingdom classification a) one b) two c) three d) four s. All plants are included in the kingdom a) Archaea b) Animalia c) Plantae d)Bacteria a) Archaea b) Animalia c) Fungi d) Bacteria a) Plants b) Animals c) Fungi d) Bacteria were included in kingdom Plantae a) Heterotrophic b) Saprophytic c) Autotrophic d) epiphytes 11. Organisms that are were included in kingdom animalia a) Heterotrophic b) Autotrophic c) Saprophytic d) Epiphytic 12. Plantae and Animalia are the two kingdoms included in a) five kingdom classification b)Six kingdom classification c) Two kingdom classification d) classification? a) Carl woese b) Carl Linnaeus c) Robert H. Whittaker d)Robert Hooke 14. Choose two statements among the following which is the drawback of two kingdom classification a) all animals have different characteristics b) does not distinguish between cukaryotes and prokaryotes c) Does not include all organisms d) does not distinguish between photosynthetic and non-photosynthetic organisms 15. organisms with cell wall are included under kingdom a) Animalia b) Archaea c) Plantae d) Bacteria a) Animalia b) Archaea c) Plantae d) Bacteria floorganisms are classification kingdoms according for kingdom classification	a) one b) two c) three d)five 18. Bacteria is included under kingdom according to five kingdom classification. a) fungi b) Protista c) Monera d) Animalia 19. Kingdom Monera includes a) Bacteria b) Mushrooms c) Amoeba d) Plants 20. Mushrooms are included under kingdom according to five kingdom classification a) Fungi b) Plantae c) Protista d) Monera 21. Kingdom fungi includes a) Bacteria b) Amoeba c) Mushroom d) Animals 22. Amoeba is included under kingdom according to five kingdom classification a) Fungi b) Monera c) Protista d) Plantae 23. Kingdom Protista includes according to five kingdom Protista includes a) Bacteria b) Amoeba c) Mushroom d) Plants 24. Which among the following is an unicellular organisms without nucleus? a) Humans b) Plants c) Bacteria d) Euglena 25. Bacteria is a organism a) Multicellular b)Unicellular c)Acellular d) Nuclear 26. Which among the following is a unicellular organism with a nucleus a) Bacteria b) Amoeba c) Mushroom d) Plants 27. Mushrooms have mode of nutrition a) Autotrophic b) Heterotrophic c) Saprophytic d) Epiphytic 28. Choose the organism having the peculiarities: Non motile, heterotrophic, unicellular/multicellular organisms a) mushrooms b) Bacteria c) Amoeba d) Plants 29. Choose the kingdom having these peculiarities: Autotrophic, multicellular, non-motile organisms.
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b) Animalia e)Plantae d) Monera
a) Fungi b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d) World and a significant b) Animalia c) Plantae d)
30. Robert H. Whittaker proposed a) five kingdom classification b) two kingdom classification c) six kingdom
a) five kingdom classification
classification d) classification 31. In five kingdom classification, archaebacteria was included in kingdom
31. In five kingdom classification, declared
a) Monera b) Protista c) Fungi d) Animalia
a) Monera b) Profista c) range = 9.32. Which kingdom includes organisms that has capacity of locomotion and are
32. Which kingdom includes organisms that has expense.
heterotrophic. a) Plantae b) Amoeba c) Animals d) Mushrooms
a) Plantae b) Anioeda c) Animata d) Maria and autotrophic
33. Which kingdom includes organisms that are non-motile and autotrophic
a) Animals b) Plants c) Fungi d) Bacteria
34. Who proposed six kingdom classification?
a) Carl Linnaeus b) Robert. H. Whittaker c) Carl Woese d) Robert Hooke
35. Organisms were classified into kingdoms in six kingdom
classification
a) 5 b) 2 c) 6 d) 7
36. In six kingdom classification, one more level of classification named
was added above the kingdom
a) Domain b) Class c)Phylum d) Kingdom
37. ln six kingdom classification, kingdom was divided into two kingdoms
a) Bacteria b) Monera c) Fungi d) Animalia
38. Kingdom and bacteria were the two kingdoms included under
kingdom Monera
a) Archaea b) Fungi c) Plantae d) Animalia
39. Choose from given options and complete the blank
DOMAIN EUKARYA
Kingdom- Protista
ERNAKULAM E Kingdom -
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Kingdom-Plantae

Kingdom – Animalia

Kingdom – Ammana
a) Fungi b) Archaea c) Bacteria d)Mushroom
40 Kingdom was included under domain Archaea
a) Bacteria b) Archaea c) Fungi d) Plantae
41 Choose the domain to which humans belong?
a) Eukarya b) Archaea c) Bacteria d) mushroom
is the species to which humans belong?
a) sapiens b) indica c) sativa d) Tigris
43. Primates is the to the humans belong
a) Kingdom b) Genus c) Species d) Order
virus causes Ebola
a) Ebola virus b) Corona virus c) Germs d) Streptococcus
45. Identify the given picture:



- a) Bacteria b) Virus c) Fungi d) Germ
- 46. Name the organism that can live inside a live cell?
 - a) Virus b) Bacteria c) Fungi d) Germ

47. Virus consist of protein coat and ____ Genetic manerial b) Cell membrane c) Cell wall d) Organelles of

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48. Virus is a causative organism of many dreaded dise	
48. Virus is a c) Viral d) germs a) Bacterial b) Pathogen c) Viral d) germs	186
a) Bacterial 1970-1980 and Bacterial 1970-1980 and History 1970-19	
49. Virus earned to a 20 Acellular c) non-living d) living	\
50. Corid is caused byvirus	
a) Ebola b) Bacteria c) Corona d) HIV	



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- Binomial nomenclative
- (N) Six kingdom classification
 (N) Six kingdom classification -

- Virul

4. ADMINISTERING THE TEST

the test was administered to the students of standard VIII C of laured Heart High School, Theraxa. The students were made aware that this test is not for any form of accessment but to indentify their difficulty and to help them. The test was administered on 24/01/23. There was no time limit for the test



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INTERPRETATION OR ANALYSIS OF THE ANSWERS

The Diagnoshi test was administered among shudents of standard VIIIC of Savred Heart High School, shudents of standard VIIIC of Savred Heart High School, shearing unit street of the seasoning unit Binomial under each teaching units. The learning unit Binomial under each teaching units. The learning unit Binomial nomenclature consist of the questions, Two kingdom classification contains + questions, Fire kingdom classification had to questions, 13 in Six kingdom classification and 7 questions in learning unit of Virus

After the correction of Answer Scripte a guestion wise analysis chart / Diagnosti chart was prepared. The analysis of the chart gave information regarding no: of correct and incorrect suspenses by the shidests for each particular question. When this data was interpreted that shidests lacked knowledge on five kingdom classification arb six kingdom classification. Shedents felt difficulty is understanding the various kingdoms included under different types of classification. They also had confusions negarding the examples and peuclositives of each kingdoms and domains. Thus it indicates the difficulty felt by the shidests in the areas of five kingdom classification and six kingdom classification.

Sheale showed difficulty in certain teaching anit,

Dr. Alice Joseph
Principal in Charge
St. Joseph College of Teacher
Education for Women,
Ernakulam

REMEDIATION

After the administration and assessment of the diagnostic test, the shidents were identified, having lack of basic knowledge in the content area and confusion about five kingdom classification and six kingdom classification. The shidents had difficult in memorising the names of kingdom and also found it difficult to distinguish behavior her pecularities of each kingdoms. In order to solve this problem of ireffective transaction of content and peculaphon of knowledge by the learners, various remedial measures evere indentified, designed and prepared for the shidests. They were planned in ways which make them interesting and easier to understand the content. It was planned out, designed in ereative ways such as quix, puxiles, violes, powerpoint slides et.

The major Remedial Programs that were given are:

- · Powerpoint presentation
- · Vodeos.
- · Quiz
- · Pazzle.

POWERPOINT PRESENTATION

Powerpoint presentation increases spontanity and interactively among the learners. It can also help to improve the focus of the learners. A powerpoint presentation on five kingdom distribution, was prepared. Another powerpoint presentation of five kingdom that the coordinate prepared to the presentation of the presentation o

five kingdom and six kingdom classification

VIDEO

Violes are whitered to make the class more effective and gain the allertion of the students. Videos five kingdom classification and six kingdom classification were included as the remedial programme for the students which will help them to get clear idea of concept.

QUIZ

A quix on five kingdom and six kingdom classification' was designed for the students. All sever Fill in the blanks' type question for which the answered were to be selected from an answer pool giver below. There were a let of 10 questions. They were instructed to select the night answers from the box and to fill in the blanks spaces. This will encourage the learners to improve their level of understanding

PUZZLE

Different types of puxiles were proposed as part of Remedial achivities

) Word Search - was designed to familiarise with the texms ascociated with classification system. In this the students will have to find out the words from the grid

2) Jumping words - The spelling of different teams related to The kingdom and six kingdom classification, in a fumbled Expansion Shidents have to identify the consideretern former

Pichus puzzle Principal in Charge Vasuous organism are give in apoleph contigues Teacher carthrusted to identify the kingdoms.