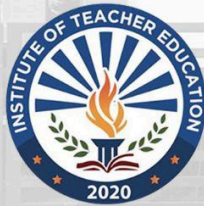


Republic of the Philippines
DAVAO DEL SUR STATE COLLEGE
Research Publication Office

**Institute of
Teachers Education**

BOOK OF ABSTRACTS

A.Y. 2020-2021



BOOK of ABSTRACTS A.Y. 2020-2021

Institute of Teachers Education

Copyright © 2024 by Davao del Sur State College

<https://www.dssc.edu.ph/>

The Book of Abstracts A.Y. 2020-2021 Institute of Teachers Education is an annual publication of Davao del Sur State College that showcases a selection of research studies conducted by students. This publication offers valuable insights into the wealth of knowledge and innovative ideas emerging from the academic work of both students and their mentors.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without written permission of the copyright owner.

To request permission, contact Research Publication Office (RPO) of Davao del Sur State College.

Published by:

Name of Publisher: Davao del Sur State College

Address: Brgy. Matti, Digos City, Davao del Sur 8002

Contact Details: 082-293-9136 president@dssc.edu.ph

EDITORIAL BOARD

Siverlyn M. Camposano, Ph.D.

Editor-in-Chief

Cindy B. Rosil, Ed.D.

Cherry Ann P. Roxas, DBA

Quennie Lyn G. Almerez, Ph.D.

Jayson R. Pucot, MSc

Associate Editors

Prof. Garnette Mae Balacy

Managing Editor

ITED BOOK OF ABSTRACT (2020-2021)

(Print) P-ISSN 2960-3854 • (Online) E-ISSN XXXX-XXXX

MESSAGE FROM THE OFFICE OF THE PRESIDENT



The Davao del Sur State College (DSSC) is committed to delivering quality education and fostering impactful research that contributes to community development and improves quality of life. Our research initiatives create opportunities for growth, innovation, and progress.

I congratulate our students for their impactful research and our faculty members for their dedication to mentoring students to become future researchers of integrity and excellence. I also extend my gratitude to Dr. Cherry Ann P. Roxas, RDI Director, and Asst. Prof. Jayson R. Pucot, Head of the Research Publication Office, for their hard work in compiling and documenting our graduate students' thesis abstracts. May this Book of Abstracts inspire future researchers for years to come.

Congratulations to all involved in this achievement!

AUGIE E. FUENTES, Ph.D.

President

*MESSAGE FROM THE OFFICE OF THE DIRECTOR FOR
RESEARCH, DEVELOPMENT AND INNOVATION*



Research is a cornerstone of academic excellence, driving students to engage with global challenges and contribute to the creation of new knowledge. It is with great pleasure that I present the Book of Abstracts, highlighting the outstanding theses of students from the Institute of Teacher Education.

I would like to express my sincere appreciation to our dedicated faculty and Dean, Dr. Cindy B. Rosil, for her leadership and support in guiding our students. To the graduates, congratulations on your achievements! May this research experience inspire you to continue exploring, learning, and contributing to the world of knowledge.

CHERRY ANN P. ROXAS, DBA

RDI Director

MESSAGE FROM THE DEAN



As an institution committed to fostering excellence in teaching and learning, we are proud to highlight the diverse and innovative research, practices, and ideas contributed by our faculty, students, and educational practitioners. These abstracts reflect not only the dedication and passion of our academic community but also the ongoing evolution of education in the 21st century.

I extend my heartfelt congratulations to our students for their outstanding work, and my sincere gratitude to the faculty mentors and our research coordinator, Prof. Garnette Mae Balacy, for their invaluable support in compiling these thesis abstracts.

We hope this collection sparks further collaboration, reflection, and progress in the field of teacher education. Together, we have the opportunity to continue shaping the future of education and making a lasting impact on the lives of learners around the world. Thank you for your unwavering commitment to excellence.

CINDY B. ROSIL, Ed.D.

Dean, ITED

Table of Contents

Title	Page
Message of the College President	i
Message of the RDE Director	ii
Message of the Dean	iii
 BACHELOF SECONDARY EDUCATION MAJOR IN TECHNOLOGY AND LIVELIHOOD EDUCATION	
Radio-Based Instruction: Perspectives of Second Year Bachelor of Technology and Livelihood Education Students at Davao Del Sur State College Author: Jessie Jane D. Pato, Almira D. Tanggan, Almera S. Ramos	1
The Influence of Television-Based Instruction in the New Normal Education on Participation and Engagement of Third Year BTLEd At Davao Del State College Author: Ann Bernadette F. Barrios, Kimberly C. Bacarro, Myra Mae R. Lim	2
How Television Based Instruction Increases Knowledge Transfer of Third Year BTLEd Students in Home Economics at Davao Del Sur State College Author: Geraldine B. Paran, Donnamae Faith F. Valdez	3
Television-Based Multimedia Instruction: Viewpoints of First Year BTLEd Students of Davao Del Sur State College Author: Ramonito C. Flores, Jr., Jessela Joy Z. Dauz	5
How Television-Based Instruction Develops Self-Concept of Third Year Btled Students at Davao Del Sur State College Author: Razel Jane T. Bartolaba, Janice Mae C. Casoñete, Rhoda Mae Sanchez, Rochelle F. Diaga	7
How Radio-Based Instruction Improves Motivation and Interest of 1st Year Bachelor of Technology and Livelihood Education Students at Davao Del Sur State College Author: Daisy Mae Dianito, Rowena Aguilar, Glenda Dumagpi	8
 BACHELOR OF SECONDARY EDUCATION MAJOR IN BIOLOGICAL SCIENCE	
Home Visitation: Perspectives Of Grade 10 Students in Learning Science Author: Ryan Lloyd D. Labartine, Novie James D. Ligue, Jozel Ann G. Mativo, Riva A. Suelo	9

Youtube Application in Teaching Science Experiments: Point of Views Of Grade 10 Students Author: Rene Boy M. Remando, Charis L. Colipano, Imari Niere	10
Mobile Technology: Reinforcing Students Performance in The Distance Learning Modality Author: Jessa L. Bayking, Wenna Jean V. Gallo, Marjorie G. Pacatan	11
Mobile Technology: Reinforcing Students Performance in the Distance Learning Modality Author: Jessa L. Bayking, Wenna Jean V. Gallo, Marjorie G. Pacatan	12
Video As Instructional Supplement: Stand Point Of Grade 10 Students Author: Grace Ann J. Ancajas, Brandon Ocampo, Kirlene Mae K. Ogos	13

Bachelor of Secondary Education Major in Technology and Livelihood Education

RADIO-BASED INSTRUCTION: PERSPECTIVES OF SECOND YEAR BACHELOR OF TECHNOLOGY AND LIVELIHOOD EDUCATION STUDENTS AT DAVAO DEL SUR STATE COLLEGE".

Author: Jessie Jane D. Patoy

Year:2021

Almira D. Tanggan

Almera S. Ramos

Adviser: Ariel C. Balio Jr.

In this pandemic time, most of the students have encountered difficulties in adapting to the modular-learning approach due to a limited assistance from their teachers. In consideration to these learning circumstances, teachers are encouraged to venture from technology-based instruction: one of these is Radio-based Instruction. Radio-Based Instruction is a type of remote education that is employed in radio programs on stations dedicated to providing learning content to learners. Malipot (2020) stated that the DepEd proposed the implementation of DepEd Television and Radio as long-term strategy for education because of the current situation.

This study aimed to unfold the perspectives of the 2nd Year BTLEd students towards Radio-Based Instruction at DSSC. It was conducted on January to June 2021 and was carried out through qualitative research design. Respondents were eight (8) Second BTLEd Students at Davao del Sur State College during the second semester of school year 2020-2021.

The collected data were analysed with the use of Thematic Analysis. The findings from the interviews conducted to the students of Davao del Sur State College (DSSC) were recorded, transcribed and coded. Thematic analysis revealed eight themes classified as general, typical and variant.

THE INFLUENCE OF TELEVISION-BASED INSTRUCTION IN THE NEW NORMAL EDUCATION ON PARTICIPATION AND ENGAGEMENT OF THIRD YEAR BTLED AT DAVAO DEL STATE COLLEGE

Author: Ann Bernadette F. Barrios

Year:2021

Kimberly C. Bacarro

Myra Mae R. Lim

Adviser: Arlyn J. Omboy, MA

This study aimed to know the influence of Television-Based Instruction in the new normal education on participation and engagement of third year BTLED at Davao del Sur State College. This study used qualitative research design. This qualitative inquiry employed eight (8) college students as its research participants. Technology issue, video production, time efficiency, comprehension difficulties and lesson structure were the themes that appeared from the responses on the experiences and perceptions encountered by the students. However, technical innovation, innovative assessment strategies and audio-visual impact increase the participation and engagement of the students.

Keywords: *Television-based Instruction, Participation, Engagement,*

HOW TELEVISION BASED INSTRUCTION INCREASES KNOWLEDGE TRANSFER OF THIRD YEAR BTLED STUDENTS IN HOME ECONOMICS AT DAVAO DEL SUR STATE COLLEGE

Author: Geraldine B. Paran

Year:2021

Donnamae Faith F. Valdez

Adviser: Maricel B. Egos, MAEd

Television is another important technological medium used not just in advertisement, public news, movies and the likes, but also in the educational environment. It allows full audio and visual simulation, interactive and reaches a higher level of realism. It has been a platform for learning several years ago which provides improvement of the t-learning conceptualization in education and training. In order to stimulate student learning ability, interest, and attitude in any particular subject, instructional television can be used as a multimedia technique in schools to teach numerous disciplines.

The main objective of the study was to explore the effectiveness of television-based multimedia instruction implemented by the Teacher Education Department of Davao del Sur State College with a view of determining the experiences and perceptions of students who underwent television-based instruction in their Technology and Livelihood Education course and ascertain television-based instruction improved transfer of learning.

Qualitative research design was used to assess the information gathered of conducting the study. Semi-structural interview guide were prepared. Emerging questions and processes are part of the research process, as are data acquired in the participant's environment, data analysis

that builds inductively from specifics to broad themes, and the researcher's interpretations of the data. In this research, the student's perceptions, insights, and experiences are the bases of constructing meaning that can be used to describe and evaluate television based instruction conducted by teachers and preservice teachers in the College under the Multimedia Instruction program launched by the Teacher Education Department.

Since the phenomenon on television based instruction as an intervention during the distance learning modality of the Davao del Sur State College is relatively new in nature, a pragmatic stance is needed for the investigation.

The findings of this study demonstrated that there were both positive and bad aspects of television-based instruction. The Television iii Based Instruction had almost a negative results towards students increased of knowledge transfer the reasons were they

mainly focuses on graphics, text and animation. Some of the BTLED students are ashamed to asked questions and difficult to comprehend the topic. Moreover, students mostly focused on the presentation and not on the context which made students not to be able to grasp the lesson completely. The negative perspectives of respondents can help the school to oversee the effectiveness of Television Based Instruction and help inculcate all the teachers in service to cater and student's queries after the presentation and validate students comprehension level on the subject matter presented in the TBI.

Keywords: *Television Based Instruction, increases knowledge transfer, Davao del Sur State College*

TELEVISION-BASED MULTIMEDIA INSTRUCTION: VIEWPOINTS OF FIRST YEAR BTLED STUDENTS OF DAVAO DEL SUR STATE COLLEGE

Author: Ramonito C. Flores, Jr.

Year:2021

Jessela Joy Z. Dauz

Adviser: Elizabeth F. Quiñones, MVE

This study intend to explore the effectiveness of television-based multimedia instruction implemented by the Teacher Education Department to the motivation and interest of first year BTLED students of Davao del Sur State College.

This was carried out by employing the qualitative action research approach. For the qualitative data gathering of the study, ten students of first year BTLEd- Home Economics were interviewed using a validated interview guide with the appropriate ethical protocols. From the interviews with the students of Davao del Sur State College qualitative responses of the participants were recorded, transcribed and coded.

Thematic analysis revealed three themes classified as general, typical and variant. It can be recalled that based on the frequency of responses, a theme is considered general if 50% and above frequency of responses, typical as 20% to 49% frequency of responses and variant as below 20% frequency of responses (San Jose, 2019).

Based on the data gathered it come up with the eight themes namely: Positive perception on Instructional Content, Positive experience on Instructional Content, Positive perception on the structure, Positive experience on the structure, Challenges, Creativity, Learn new methodology, and Retrieval of knowledge.

It was found out that using television-based multimedia instruction in the presentation of the lesson was well- delivered because the learners easily understand the lesson. The words used were very familiar and easy to understand. Thus, it interacts dynamically. As stated by the respondents, TBI motivates them for better understanding and learning new concepts because it is direct, concise, and less time consuming.

In fact, students are able to immediately and accurately grasp the essence of the topic. They compared that TBI is much better than the modular mode of instruction. They find it less boring and it can catch their attention contrast to the usual mode of instruction.

Furthermore, learning using TBI improves students learning through Television/computers and phones in contrast with the usual mode of instruction which is module based, students tend to decrease

their interest in the lesson because the modules were just composed of words alone.

Finally, by retrieving the knowledge that the student's acquired it is evident that the student is learning something in the lesson while watching the TBI presentation. This new modality of instruction has a great help to the students to be more interested and motivated in their studies.

HOW TELEVISION-BASED INSTRUCTION DEVELOPS SELF-CONCEPT OF THIRD YEAR BTLED STUDENTS AT DAVAO DEL SUR STATE COLLEGE

Author: Razel Jane T. Bartolaba

Year:2021

Janice Mae C. Casofiete

Rhoda Mae Sanchez

Rochelle F. Diaga

Adviser: Jasmin Eve G. Bucod, MAEd

Television-Based Instruction is one of the learning modalities along with radio-based instruction, online and modular learning in the absence of face-to-face learning due to COVID-19 pandemic. Television-based instruction is considered as one of the most effective modality in the new normal setting. This study aims to explore the effectiveness of television-based multimedia instruction implemented by the Teacher Education Department to the self-concept of Third year BTLED students of Davao del Sur State College. Particularly, this action research aims to determine the experiences and perceptions of students who underwent television-based instruction in their Technology and Livelihood Education course and ascertain how television-based instruction developed self-concept. The following methodology was followed as the researchers conducted the study: The study employed the qualitative action research design; this qualitative inquiry employed eight 3rd year BTLED students of DSSC as its research participants; the researchers used a semi-structured interview guide that was validated and approved. We asked permission from the school head to conduct the study and letter of permission was secured from the Dean Result revealed that third year BTLED students are adapting Television Based Instruction as medium of instruction. In this study we come up with four themes in experiences and perceptions of students who underwent television-based instruction and three themes on how television-based instruction develops self-concept. Further, this denotes how student's chose Television Based Instruction over traditional instruction.

Keywords: Television-based instruction, develops, self-concept

HOW RADIO-BASED INSTRUCTION IMPROVES MOTIVATION AND INTEREST OF 1ST YEAR BACHELOR OF TECHNOLOGY AND LIVELIHOOD EDUCATION STUDENTS AT DAVAO DEL SUR STATE COLLEGE

Author: Daisy Mae Dianito

Year:2021

Rowena Aguilar

Glenda Dumagpi

Adviser: Queenie Lyn G. Almeresz, MTE

The current flexible learning modality implemented at Davao del Sur State College necessitated the implementation of multimedia instruction, particularly radio-based instruction of Technology and Livelihood Education courses. This study aimed to explore the perceptions and experiences of college students on how radio-based instruction improves their motivation and interest during this modality. This qualitative research involved semi-structured interview as the main method of collecting data from research participants who were the 1st year Bachelor of Technology and Livelihood Education students of DSSC. Ethical procedures like permission, consent, validation and confidentiality were observed. The thematic analysis on the qualitative data revealed themes like absence of student-teacher interaction; reflective learning on new modalities; student's learning continuity; audio setting in radio-based instruction; technology inclination; decreased motivation in comparison with traditional setting added; eagerness in pursuing the course were the themes gathered from respondents.

Keywords: *Radio-Based Instruction, Motivation, Interest*

**Bachelor of Secondary
Education Major in
Biological Science**

HOME VISITATION: PERSPECTIVES OF GRADE 10 STUDENTS IN LEARNING SCIENCE

Author: Ryan Lloyd D. Labartine

Year:2021

Novie James D. Ligue

Jozel Ann G. Mativo

Riva A. Suelo

Adviser: Cindy B. Rosil, Ed.D

Students' academic success and the connection between Instructors and students are greatly influenced by home visits. The study's goal was to find out what Grade 10 students thought about house visits in science class. It sought to determine influence of home visitation on students in learning Science and to find educational insights that can contribute to the implementation of home visitation and Science learning. In order to collect data for this study, a qualitative action research technique was used. The study's participants were Marber National High School's Grade 10 Science students. The data was collected using a validated interview guide and acceptable ethical standards as the primary research tool. The study's findings revealed that, on general, Grade 10 Science students had a favorable viewpoint and response to the home visiting program. After a home visitation, the Grade 10 Science students' performance and behavior in Science learning improved significantly. Students occasionally ran across issues due to the short time limitation. Moreover, the interventions were offered to address the problem.

Keywords: home visitation, perspectives of Grade 10 students, Science learning

YOUTUBE APPLICATION IN TEACHING SCIENCE EXPERIMENTS: POINT OF VIEWS OF GRADE 10 STUDENTS

Author: Rene Boy M. Remando

Year:2021

Charis L. Colipano

Imari Niere

Adviser: Elias G. Norab

This study was undertaken to investigate the effectiveness of using YouTube application for Science Experiments Demonstration of Grade 10 students of Federico Yap National High School in the distance learning modality. Specifically, the following questions were sought to be answered: (1) To what extent does watching YouTube videos facilitate Grade 10 learners understanding of science experiments; (2) What are the challenges and opportunities in the use of YouTube for Science experiments during the distance learning modality. The study was conducted in Federico Yap National High School, a public high school located in Barangay Astorga, Sta. Cruz, Davao del Sur. This study was conducted on January 2021 – June 2021. This study adopted qualitative design. This qualitative inquiry employed ten respondents from Grade 10 students of Federico Yap National High School as its research participants. The selection method that was used were purposive sampling, also known as judgmental, selective or subjective sampling, which is a type of non-probability sampling technique. In this study the data collected were interpreted by the used of thematic analysis and the responses of the Grade 10 students of Federico Yap National High School were the qualitative data gathered.

As the result revealed, it can infer that YouTube videos has significant impact in teaching and learning science experiments during this time of Learning Distance Modality among the Grade 10 students of Federico Yap National High School, however there were also challenges and difficulties in using this application in the new normal set-up of teaching and learning. After collecting and depth analysis of data using thematic analysis, the finding of this study was that YouTube videos provides variety of ideas/concepts that will lead to meaningful learning. Watching YouTube Videos improves learning span and therefore improves learning performance. Through YouTube videos learners can discovers learning techniques and styles and encourages scientific Online Discussions.

YouTube Improves learning Performance specially in understanding Science laboratory experiments. Research has shown that some students learn better with visual aids like the use of YouTube videos.

Keywords: *YouTube videos, qualitative, modality*

MOBILE TECHNOLOGY: REINFORCING STUDENTS PERFORMANCE IN THE DISTANCE LEARNING MODALITY

Author: Jessa L. Bayking
Wenna Jean V. Gallo
Marjorie G. Pacatan
Adviser: Meliza P. Alo, Ed.D

Year:2021

The overspreading of novel COVID19 Pandemic has led to the current Distance learning modality in the Department of Education (DepEd which brought challenges in the implementation of inclusive education. The use of mobile technology to support learning in the specific subject such as Science is considered as one of the current method used by students and teachers. This study aims to discuss the learning opportunities as well as to identify the difficulties of students in the use of Mobile Technology and how mobile devices help improve students learning. This study adopts the qualitative research design. The research process entails developing questions and processes, data collected often by participants, data analysis based on details to broad topics inductively and interpreted by the researcher for the significance of the findings. This study employs an interview guide as its main research instrument to construct the phenomenon on the use of mobile technology in Grade 8 Science in the distance learning modality. A survey questionnaire was used to collect data from eight participants, and the model was evaluated based on that data.

The results indicated that using mobile devices is very effective in learning Science among the Grade 8 students of Digos City National High School hence, the data has shown evident results of students performing well with the aid of mobile technology in the learning process. In order to determine whether mobile devices directly impacted students' performance, thematic analysis was carried out which revealed three themes classified as general, variant and typical. The relationship between student performance and mobile technologies has been found to be strong in delivering instruction process despite the distance learning. However, the result indicated that there are also challenges and difficulties in engaging this mobile technology to this new normal set-up education. Based on the implications of the results of the study, curriculum enhancement program is recommended.

Keywords: *Mobile Technology, Students' Performance, Distance Learning*

VIDEO AS INSTRUCTIONAL SUPPLEMENT: STAND POINT OF GRADE 10 STUDENTS

Author: Grace Ann J. Ancajas

Year:2021

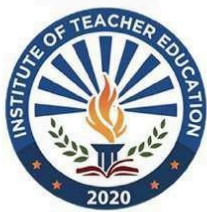
Brandon Ocampo

Kirlene Mae K. Ogos

Adviser: Helen W. Noel, Ph.D

With the threat of COVID-19 virus around the world, the educational system was shaken and challenged. The traditional classroom was now brought to home and students are now encouraged to use technology for learning. This study were undertaken to determine the perspective of Grade 10 students on the use of video as instructional supplement during the distance learning modality through qualitative interviews with 8 grade 10 students in Digos city National High School located in Rizal Avenue, Barangay Zone II, Digos City, Davao del Sur. An analysis of these interviews inferred that using video as instructional supplement opens a new learning opportunity for students in enhancing their technology literacy, boost their achievement and increases their engagement in the lesson. However, there are many challenges in this new normal educational set-up as students' financial aspect were challenged for the need for load for mobile data. The students also encounter problem viewing or downloading videos because of poor internet connection and also, the students' comprehension in English was challenged of this instructional supplement as they find it difficult to listen to native English speaker because of their accent and voice quality. Thus, from this results, recommendation were made that the Department of Education should implement the utilization of technology to all schools, school heads should conduct trainings and seminars for teacher for effective use of technology and mandate teachers to make a teacher-made video with tagalog o visaya subtitles for students to easily comprehend the lesson. This study will open new ideas to teachers who are utilizing technology in delivering their lesson in this new normal educational set-up.

Keywords: Learning efficiency; student motivation; multimedia instruction; supplement videos; quality of experience



Davao del Sur State College
Matti, Digos City

www.dssc.edu.ph

