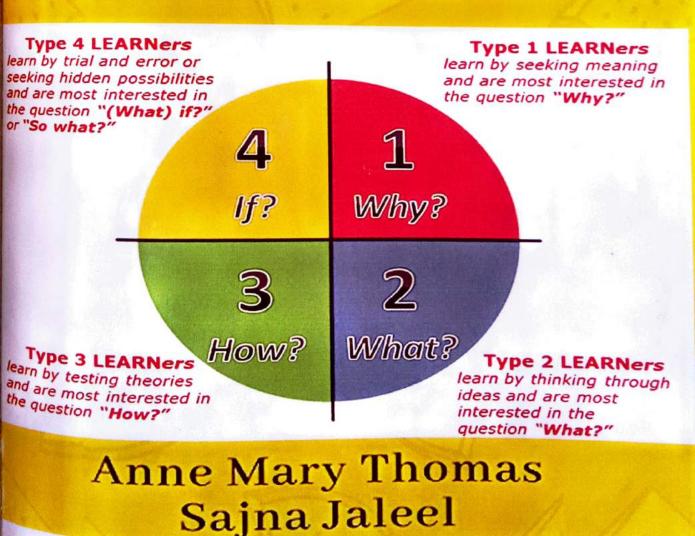
Effectiveness of 4MAT System of Instructional Design on Learning Styles, Hemispheric Preferences & Achievement in Physics of Students at Secondary Level.



Effectiveness of 4MAT System of Instructional Design on Learning Styles, Hemispheric preferences & Achievement in Physics of Students at Secondary Level, First Edition All rights reserved, Copyright©2018 by Dr. Anne Mary Thomas & Dr. Sajna Jaleel

No part of this publication may be reproduced or distributed in any form by any means, electronic, mechanical, photocopying, recording, or otherwise or stored in a database or retrieval system without prior written consent of the author, including, but not limited to, in any network or other electronic storage or transmission, or broadcast for distance learning.

All credits appearing on page or at the end of the book are considered to be an extension of the copyright page.

First print 2018 Printed in India Cover Design & Layout: George Chacko

Cover Picture Courtesy: https://allthingslearning.files.wordpress.com/2012/08/4mat-stage-03.png

1. Education-Instructional Design-Research-Textbooks

2. Psychology -Instructional Design-Research-Textbooks

ISBN: 13: 978-93-5311-871-6 10: 93-5311-871-9

^{Price:} 500/-^{Self} Published ^{Printed} at Catholic Press, Kollam, Kerala



EFFECTIVENESS OF 4MAT SYSTEM OF INSTRUCTIONAL DESIGN ON LEARNING STYLES, HEMISPHERIC PREFERENCES AND ACHIEVEMENT IN PHYSICS OF STUDENTS AT SECONDARY LEVEL

THESIS SUBMITTED FOR THE DEGREE OF

DOCTOR OF PHILOSOPHY

IN EDUCATION

BY

ANNE MARY THOMAS, M.Sc., M.Ed.

(UGC-Senior Research Fellow)

UNDER THE SUPERVISION OF

Dr. SAJNA JALEEL

Assistant Professor



SCHOOL OF PEDAGOGICAL SCIENCES MAHATMA GANDHI UNIVERSITY

KOTTAYAM, KERALA

April 2014

CONTENTS

List of Tables List of Figures List of Graphs List of Appendices Abstract

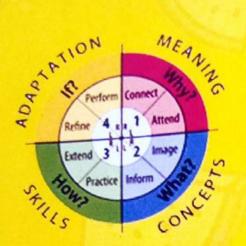
Chapter No. Chapters

Page No

- I INTRODUCTION
- II THEORETICAL OVERVIEW
- III REVIEW OF RELATED LITERATURE
- IV METHODOLOGY
- V ANALYSIS AND INTERPRETATION OF DATA
- VI FINDINGS, CONCLUSION AND SUGGESTIONS

BIBLIOGRAPHY

APPENDICES



Effectiveness of 4MAT System of Instructional Design on Learning Styles, Hemispheric Preferences & Achievement in Physics of Students at Secondary Level: This is a Ph. D. Thesis submitted to Mahatma University, Kottayam, Kerala. The efforts are being made in order to popularize this tool of instructional design for larger society so as to use the same for teaching and encouraging continuing research in this area. About the Author: -Dr. Anne Mary Thomas has done her Doctorate in Education, Masters in Education, Physics from Mahatma Gandhi University, Kottayam and Masters in Psychology from Madras University, Chennai. She has been teaching, writing and guiding postgraduate students in research and doing relevant publications for the past ten years. At present she is a Post Doctoral Fellow in the School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam, India.



