

# Teachers' Readiness and Adaptation to Curriculum Changes in TLE: A Systematic Review of Implementation Challenges and Support Mechanisms

Rose-ann C. Bettang<sup>1</sup>

<sup>1</sup>Tuquib Integrated School

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**Abstract:** This review synthesizes literature on teachers' readiness and adaptation to curriculum changes, with emphasis on Technology and Livelihood Education (TLE) instruction in secondary schools. The objective is to examine how teacher preparedness, professional development, instructional resources, and institutional support influence adaptation to reforms such as the K to 12 Program, MATATAG Curriculum, and the ILAW Framework. Literature was gathered from ERIC, ScienceDirect, Google Scholar, and Philippine E-Journals, covering studies published between 2010 and 2025. Findings consistently highlight that teacher readiness—defined by knowledge, skills, attitudes, and resources—is a critical determinant of successful curriculum implementation. Adaptation, meanwhile, involves adjustments in teaching strategies, assessment practices, and classroom management. Theories such as the Concerns-Based Adoption Model (Hall & Hord, 2011), Theory of Planned Behavior (Ajzen, 1991), and Rogers' Diffusion of Innovations (2003) explain how teacher attitudes, perceived support, and institutional contexts shape readiness and adaptation. While international studies emphasize continuous professional development and administrative support, localized research in rural Philippine schools remains limited. This synthesis underscores the importance of strengthening teacher training, resource provision, and mentoring to ensure effective adaptation to curriculum reforms. Recommendations include targeted professional development, collaborative learning communities, and policy support to enhance teacher readiness and adaptation in TLE instruction.

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## I. INTRODUCTION

### ➤ Background Context

Curriculum reforms are essential for aligning education with societal and technological changes. In the Philippines, reforms such as the K to 12 Program, MATATAG Curriculum, and ILAW Framework require teachers to modify instructional practices. Teacher readiness and adaptation are crucial for ensuring reforms translate into improved learning outcomes.

### ➤ Scope and Purpose

This review focuses on literature examining teacher readiness and adaptation to curriculum changes, specifically in vocational and technical subjects like TLE. Studies outside curriculum implementation or unrelated to teacher preparedness are excluded.

### ➤ Thesis Statement / Objective

The review aims to synthesize research on teacher readiness and adaptation to curriculum reforms, identify

challenges in rural contexts, and highlight strategies for strengthening teacher capacity in TLE instruction.

## II. METHODOLOGY

### ➤ Search Strategy

#### • Databases:

ERIC, ScienceDirect, Google Scholar, Philippine E-Journals. Search terms: *teacher readiness curriculum reforms, adaptation to educational change, TLE instruction Philippines, ILAW Framework implementation.*

### ➤ Selection Process

#### • Inclusion Criteria:

- ✓ Studies focusing on teacher readiness and adaptation to curriculum changes.
- ✓ Research examining vocational/technical education contexts.
- ✓ Published between 2010–2025.

#### • *Exclusion Criteria:*

- ✓ Studies unrelated to curriculum reforms.
- ✓ Non-empirical reports or opinion pieces.

#### ➤ *Main Body*

##### • *Theme 1: Teacher Readiness for Curriculum Change*

Hall & Hord (2011) emphasized readiness as a critical factor in reform success. Fullan (2016, 2020) argued that professional development enhances teacher preparedness. UNESCO (2020) highlighted that adequate resources and training improve readiness.

##### • *Theme 2: Teacher Adaptation to Curriculum Reforms*

Rogers (2003) explained adaptation through innovation adoption, noting that positive perceptions of reforms increase success. OECD (2020) and UNESCO (2021) reported that adaptable teachers improve student outcomes by updating pedagogical practices.

##### • *Theme 3: Professional Development and Support*

Darling-Hammond et al. (2017) and Guskey (2002) emphasized sustained professional development as essential for readiness and adaptation. Desimone & Garet (2015) highlighted mentoring and collaborative learning communities as effective support mechanisms.

##### • *Theme 4: TLE Instruction and Curriculum Change*

Corpuz & Salandanan (2015) noted that TLE requires both pedagogical and technical expertise. UNESCO (2021) stressed that vocational teachers must continuously update skills to align with industry demands. Bacus (2021) found that resource shortages hinder TLE curriculum implementation.

##### • *Theme 5: Availability of Resources and Administrative Support*

Bransford et al. (2000) emphasized that instructional resources enhance teacher effectiveness. Hall & Hord (2011) and Fullan (2016) highlighted the role of administrative support in facilitating curriculum reforms.

### III. CONCLUSION AND RECOMMENDATIONS

#### ➤ *Summary of Main Findings*

Teacher readiness and adaptation are critical for successful curriculum reforms. Readiness is shaped by training, resources, and attitudes, while adaptation involves adjustments in teaching strategies and assessment practices. Professional development and administrative support are essential for sustaining reforms.

#### ➤ *Significance*

This synthesis highlights the importance of strengthening teacher capacity in rural Philippine schools, particularly in TLE instruction, where practical competencies require careful planning and adaptation.

#### ➤ *Future Research*

- Conduct localized studies on teacher readiness and adaptation in rural TLE contexts.
- Explore the effectiveness of professional development programs in supporting curriculum reforms.
- Investigate the role of administrative support and resource provision in sustaining teacher adaptation.

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