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**An Application of PADRA Model combined with English Skills Reinforcement Exercise  
for Rehabilitation of Learning Recession for Grade 6 Students in Chumchonnonghin  
School**

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**ABSTRACT**

This research is conducted with Indonesian students. The objectives of the research were: (1) To diagnose the recession in English learning of Chumchonnonghin School students. and grouped the students according to the severity of the learning recession. and needs (2) To design and develop an innovative model to rehabilitate students' English learning recession that is feasible for the short-term and long-term involvement of relevant stakeholders in line with the needs of students and the school context. with a design-based research process, and (3) to analyze the effect of using an innovative prototype to rehabilitate the recession in English learning among Chumchonnonghin School students. Loei Primary Educational Service Area Office 2 using the PADRA model based on the design thinking process in the learning unit on Health by using the English learning skill exercises for the first semester of the academic year 2022 collected. information between June to October 2022. The tools used consisted of 4 learning management plans of 8 hours, pre-learning, and post-learning tests. Data were analyzed using basic statistics: frequency, percentage, mean, and standard deviation. performance average performance index Effectiveness Index and the relative development score.

**Keywords:** Work Discipline, Motivation, Work Experience, Employee Performance

**1. INTRODUCTION**

The epidemic of the Coronavirus (COVID-19) has had a huge impact on all sectors in terms of society. economic and educational aspects, especially in education who have been severely affected in the aforementioned situation, the situation of the epidemic in Thailand causing educational institutions across the country Can open teaching as usual Therefore, it is necessary to close educational institutions to prevent the spread of the Coronavirus Disease 2019 (COVID-19) that may affect many aspects, including children. Parents to teachers and schools For the aforementioned reasons and necessity, the Ministry of Education has established a policy for teaching and learning management under the situation of the COVID-19 crisis, based on the concept of "learning led education". School may be closed. But learning cannot stop. COVID-19 crisis situation through distance learning By making the most of existing resources, for example, using digital TV channels and learning through various online programs, collectively referred to as "online", teaching and learning through the satellite distance education foundation (DLTV) is a teaching called "On Air" (Secretariat of the Council of Education, 2020).

Equitable Education Fund (FFE) UNICEF Thailand Ministry of Education Starfish Country Home School Foundation Research Institute for Policy Evaluation and Design (RIPED),

University of the Thai Chamber of Commerce and Samut Sakhon Province Organized a meeting to strengthen cooperation with educational agencies "Moving together towards the Samut Sakhon Model model provinces to reduce inequality Restoring Learning for All Children, moving forward with the mission to restore Thai education Launched a pilot research project to restore learning decline. Preventing children from falling out of the system, covering all dimensions. Dr. Weerachat Kilenthong, Director of the Research Institute for Policy Evaluation and Design (RIPED), University of the Thai Chamber of Commerce, said there are studies from abroad that show that there is evidence. Confirmation of learning recession during the COVID-19 crisis In Thailand, the institute has collaborated with the Equitable Education Fund to conduct research collecting data from children from many areas across the country. Each day at school is significantly different. Especially in provinces where school is closed for a long time. "Learning regression refers to the comparison of children's skills during normal school attendance and school closure. which is measured by statistical tools The result of the main analysis is that Children's absence from school negatively impacts their math skills and working memory, which refers to children's ability to remember information. and bring the information to be processed for reuse which is a skill that directly promotes children's learning The implication is that longer school closures are associated with an increase in lost skills. Some have lost up to 90% of their skills. These data remind us that all departments have a collective duty to recover declining knowledge and create appropriate learning strategies in response to the COVID-19 situation. which is still uncertain. Goals of the project Therefore, it aims to create innovations in educational management. and innovation in provincial administration operating model Starting from supporting schools to be able to assess learning situations. recession occurred Along with exploring the readiness and needs of teachers and students. promotion of ticks Teacher and School Competencies both in terms of content Pedagogical Science and Technology Micro-Learning Blended learning and short, concise in the form of online lessons. workshop consultation and also supports the fundamentals of teaching and learning management Including necessary tools until being able to develop innovations and design learning to reduce knowledge recession for students. through distance learning Developing mathematics skills through learning boxes or learning boxes Developing physical and mental health skills Through individual instruction, covering both normal learners and those who need special assistance. All of this works in conjunction with teachers, parents and community volunteer mechanisms.

Learning recession (learning loss) occurs when there are obstacles or limitations that prevent learning. Students can enter schools and classes for learning. Learning recessions can happen. from student trips during summer vacations, teacher strikes, and bad weather. The emergence of crises in both the personal aspect of the students. social, political, economic, or even disaster epidemics such as the present (Alban Conto et al., 2021) and for Thailand (The Secretariat of the Education Council Ministry of Education (2021) has studied research on "A Study of Learning Recession of Basic Education Learners in the Situation of COVID-19" and found that learning recession among Thai students occurred in many dimensions and at various ages. Starting from students in The elementary level found that in the dimension of knowledge Students suffer from learning recession in reading skills. and mathematics Changes in learner characteristics These problems are all caused by the online teaching model. That makes students lose motivation, lose interest and reduce confidence. of students decreased besides that The problem also stems from a lack of understanding and lack of parental support. including relationships between teachers and students decreased as well as the unavailability of learning media, equipment and technology when considering the recession in the dimension

of academic achievement. The study found that grade school students Primary school grades 1-6 had the highest recession in academic achievement in foreign language subjects. followed by Science and mathematics, respectively. It was also found that students in grades 1-3 had the highest level of stress and anxiety about online learning, followed by decreased learning effort and inability to adapt to online learning. can study online respectively (The Secretariat of the Education Council Ministry of Education, 2021)

When the school is affected by the situation, therefore, it is necessary to close educational institutions to prevent the spread of the disease. teaching and learning process It is also used as a medium to help in learning. Being a resource of information to assist in searching for information is a relatively new form of activity for many learners and teachers. Information and communication technology plays a huge role in the education industry now and in the future. In addition to being used as a learning tool It is also a reliable resource for learners to learn at their own pace at any time. For the aforementioned reasons, teaching and learning in the epidemic situation should not be an obstacle to children's learning development. Therefore, it has sought ways to modify the learning management process according to various contexts and limitations and to prepare to continuously provide educational opportunities to children. Therefore, the researcher is interested in studying teaching and learning management by applying PADRA MODEL together with English skills training exercises to restore learning recession for Grade 6 students at Chumchonnonghin School. in developing learning achievements in English subjects in the learning unit on Health by using exercises to enhance learning English skills and use the results from the study as a guideline to help students with low academic achievement.

## **2. METHOD**

### **a. Participants**

Target groups include 90 students of Grade 6, Chumchonnonghin School, Loei Province, under the Office of Loei Primary Educational Service Area Office 2, in the first semester of the academic year 2022, used for studying the methods of organizing online English teaching activities of Grade 6 students by applying the PADRA Model together with the English skills training exercises to restore learning recession. In learning management as a guideline for development and application in learning management, observing the learning management behaviour in English classes in the amount of 1 classroom, 1 school, 30 people, which were obtained by selecting a specific (Purposive Sampling).

### **b. Measures**

Scope of Learning Styles By applying the PADRA Model together with the English skills training to restore learning recession for Grade 6 students at Chumchonnonghin School. The researcher will use the information that appears from the study to analyze. preliminary synthesis comes to design a learning program to have a detailed process of learning management in English subjects in Grade 6 for learning management to achieve the results of the English language learning ability and improve the student's English learning achievement. Grade 6 for the development of learning achievement in English subjects in the Health unit  
Time boundary The researcher will spend time doing research in the first semester of the academic year 2022 from June 2022 to October 2022 by organizing a learning program in line with the subject of foreign language learning. By applying the PADRA Model together with the English skills training to restore learning recession for Grade 6 students at Chumchonnonghin School. Selecting content from the scope (Themes), Topics, Sub-Topic,

selected from various learning units, classified into 4 learning units, totaling 8 hours.

c. Procedure and design

The researcher studied the problem conditions and analysed the basic data to develop English proficiency skills to enhance learning achievement. In conjunction with the use of the concept of learning recession of grade 6 students, it was found that the context of learning management English subject in Chumchonnonghin School Students still have problems in listening, speaking, reading and writing at a level that needs to be developed or improved to a higher level in order for students to succeed. The researcher has designed and prepared 4 learning management plans, Totalling 8 hours, divided into 4 learning units as follows: (semester 1/2022)

Food and Drink, 2 hours

Our favourite food, amounting to 2 hours

What's the matter? 2 hours

healthy food, amounting to 2 hours

which consists of 5 steps of learning management according to the PADRA Model as follows:



The learning process using a 5-step learning process according to the PADRA Model is as follows: 1) Presentation Stage It presents problems, pictures, situations, video clips, case examples for students to be aware of. problem or problem situation to create a sense of curiosity Make learners appreciate the value, importance and benefits of what they are learning. And give students the opportunity to divide into groups, mixed gender and abilities. 2) Analyse step Seeking knowledge and analysing means a step that allows students to seek knowledge, analyse data or find information from the media. and a variety of learning resources within the school to be used as information for summarizing the answers to the problems that the students received. Or findings from seeking knowledge that have come to summarize the concept as an answer to the problem that the learners receive appropriately and sufficiently. Come out to present the answers to the problems received and discuss among the groups the solutions that have been presented using the method of presentation customized by the group. Along with telling a story about the learning algorithm. and express feelings from 5) Applied stage means the stage where learners apply the knowledge gained from learning. To create media or works according to the expertise and interests of the group to disseminate to those who are interested in a variety of methods such as brochures, knowledge sheets, drawings, public relations media, worksheets, etc.

d. Data Analysis

The results of the application of the PADRA MODEL together with English skills training exercises to restore learning recession for Grade6 students at Chumchonnonghin School The researcher brought the data for analysis. and presented the data analysis results in the order as follows

1. Diagnose the English learning recession of students at Chumchonnonghin School

Loei Primary Educational Service Area Office 2 grouped students according to the severity of the learning recession. and the needs and evaluation results of the learning management plan using the PADRA model, based on the design thinking process in the unit of Health, using English language learning exercises.

2. Design and develop an innovative model to rehabilitate the recession in English language learning of students with the practicality of relevant stakeholders in the short and long term that corresponds to the needs of students and the school context. design-based research process and the results of examining the effectiveness of the learning management plan using the PADRA model based on the design thinking process in the learning unit on Health using English language learning exercises for primary school students. 6th

3. Analyze the effect of using the innovative prototype to rehabilitate the recession in English learning among Chumchonnonghin School students. Loei Primary Educational Service Area Office 2 and the results of the learning achievement of Grade 6 students who studied by using the PADRA model learning management plan based on the design thinking process in the Health learning unit using exercises to enhance learning English skills.

### **3. RESULT AND DISCUSSION**

Part 1 The evaluation results of the learning management plan using the PADRA model based on the design thinking process in the learning unit on Health by using English language learning skills exercises for grade 12 students. 6 by 3 experts

Table 4. Evaluation results of the PADRA model learning management plan based on the design thinking process in the learning unit on Health by using the English learning skill enhancement exercises for Grade 6 students. by 3 experts to assess the quality and suitability of the plan and the results are shown in Table 4.

Lesson Plan	Total average ( $\bar{x}$ )	Interpret results
1	3.8	Very good quality and suitable
2	4.0	Very good quality and suitable
3	4.4	Very good quality and suitable
4	4.2	Very good quality and suitable
Overall	4.10	Very good quality and suitable

From Table 4, it was found that the evaluation results of the learning management plan using the PADRA model based on the design thinking process in the learning unit on Health were used to enhance English learning skills for elementary school students. In year 6 by 3 experts, the average of each plan ranged from 3.8 – 4.4 and the overall average was 4.10, then compared with the quality and suitability criteria. According to the more or fewer quality conditions predetermined, it was found that the learning management plan by applying the learning recession concept To improve students' English learning achievements. Grade 6 has the quality and appropriateness of each plan at the highest level. and the overall assessment

results of all plans were at a high level ( $\bar{x} = 4.10$ ).

Part 2 The results of checking the efficiency of the learning management plan using the PADRA model based on the design thinking process in the learning unit. Health by using English language skills training exercises for Grade 6 students. Effective 75/75 criteria The researcher examined the effectiveness of the learning management plan. By calculating from the assessment scores of learning behaviour during study, worksheet assessment, and pre-learning and post-learning tests. The results are shown in the following table.

Table 5. The results of checking the effectiveness of the learning management plan using the PADRA model based on the conceptual design thinking process (Design Thinking) in the learning unit. Health by using English language learning skills exercises for grade 6 students.

Activity / Score	Full Score	Average Score	Percent
Activity 1	10	7.50	75.00
Activity 2	20	18.00	90.00
Activity 3	20	16.30	81.50
Activity 4	20	16.56	83.37
Total average		58.36	76.00
E1			76.00
Post-Test	30	25.00	83.33
E2			83.33

From Table 5, it was found that the results of checking the effectiveness of the learning management plan using the PADRA Model concept based on the design thinking process in the learning unit subject. Health by using English language learning skills training exercises for Grade 6 students. The process efficiency (E1) was 76.00, the result efficiency (E2) was 83.33, and the efficiency (E1/E2) was 76.00/83.33 high. than the threshold set is 75/75

Table 6. Effectiveness Index of the PADRA model learning management plan based on the design thinking process in the learning unit on Health by using English language learning exercises for Grade 6 Students (N=30)

Total scores before exams for all rooms (Full score 30 )	The total score after the examination of the whole room (Full score 30 )	Effectiveness Index (E.I.)
143	727	0.77

From Table 6, it was found that the effectiveness index of the learning management plan using the PADRA model based on the design thinking process in the learning unit on Health using English language learning exercises for elementary school students. Year 6 with an effectiveness index of 0.77 or 77% from the performance index Effect of scores before and after in conclusion, students had a 77 percent increase in their academic achievement scores.

Part 3 The study results of learning achievement of Grade 6 students, learning management plans learned by using the PADRA Model based on the concept of design thinking in the learning unit titled Health by using English learning skills exercises for Grade 6 students.

### 3.1 The development of students' English learning achievement scores

The development of English learning achievement scores of Grade 6 students using the analysis of relative developmental scores according to the formula of Sirichai Kanchanawasi (2009) to determine developmental score evaluation criteria as follows:

Development score (percentage)	Meaning
The 76-100	has a very high level of improvement.
51-75	have a high level of development
26-50	Intermediate development
1-25	with early development
Below-0	no development

The results of the analysis of scores for the development of English learning achievement of grade 6 students are shown in the following table.

Table 7 Relative developmental scores of learning achievement of Grade 6 students who designed a learning management plan using the PADRA Model concept based on the design thinking process in the learning unit titled Health by using English learning skills exercises for grade 6 students.

People	Before	After	percentage improvement	development level
1	15	22	46.67	High
2	14	23	56.25	Very high
3	14	24	62.50	Very high
4	15	20	33.33	Very high
5	17	25	61.54	High
6	14	20	37.50	High
7	14	21	43.75	Very high
8	14	22	50.00	Very high
9	14	25	68.75	Very high
10	14	25	68.75	High
11	14	25	68.75	High
12	15	25	66.67	High
13	15	25	66.67	High
14	15	25	66.67	Very high
15	15	25	66.67	Very high
16	15	25	66.67	Very high
17	15	25	66.67	High
18	15	25	66.67	High
19	15	25	66.67	Very high
20	13	25	70.59	Very high
21	13	25	70.59	Very high
22	13	25	70.59	High
23	13	25	70.59	High
24	13	25	70.59	Very high
25	13	25	70.59	High
26	13	25	70.59	High
27	13	25	70.59	Very high
28	13	25	70.59	Very high
29	13	25	70.59	Very high
30	13	25	70.59	Very high

Average	<b>14.10</b>	<b>24.21</b>	<b>63.34</b>	<b>Very high</b>
Percent	<b>70.52</b>	<b>121.03</b>		

From the table 7, the relative development scores of learning achievement of Grade 6 students who designed a learning management plan using the PADRA Model concept based on the design thinking process in the learning unit titled Health by using English language learning skills training for Grade 6 students, it was found that the percentage of scores before school was 14.10, the percentage of scores after school was 24.21, and the percentage of development was 63.36. Developed a high level of overall compliance.

Table 8 summarizes the results of the analysis of the relative developmental scores of the learning achievement of Grade 6 students learning with the PADRA Model concept based on the design thinking process in the learning unit titled Health by using exercises to enhance learning English skills.

Number of students classified by level of development					<b>combine</b>
Very high	high	middle	early	no development	
7	13	0	0	0	30

From Table 8, the relative developmental scores of learning achievement of Grade 6 students learning with the PADRA Model concept based on the Design Thinking process in the learning unit titled Health by using the English learning skill training form, it was found that 7 people had very high development, 13 people had high development, and 30 people had high development.

#### **4. CONCLUSION**

1. Diagnose the recession in English learning of students at Chumchonnonghin School. Loei Primary Educational Service Area Office 2 grouped students according to the severity of learning recession. and the needs and evaluation results of the learning management plan using the PADRA model, based on the design thinking process in the unit of Health, using English language learning exercises. and the results of the evaluation of the learning management plan by applying the PADRA model based on the design thinking process in the learning unit on Health by using English language learning skills exercises. To improve students' English learning achievements. Grade 6 by experts the mean of each plan ranged from 3.6 – 4.4 and the overall average was 4.10 and the standard deviation was 1.00. Health learning for Grade 6 students had quality and appropriateness in the learning management plan, at the high to the highest level, and the overall assessment result. All learning management plans were at a high level ( $\bar{x}$ = 4.10, S.D.=1.00) and the results of checking the effectiveness of the learning management plans according to the PADRA model concept based on the design thinking process in the learning unit. On Health for Grade 6 students, process efficiency (E1) was 76.00, result efficiency (E2) was 83.33, efficiency (E1/E2) was 76.00/83.33, which was higher than the set criteria, which was 75/75.

2. Design and develop an innovative model to rehabilitate the recession in English language learning of students with the practicality of relevant stakeholders in the short and long term that corresponds to the needs of students and the school context. design-based research



process and the results of examining the effectiveness of the learning management plan using the PADRA model based on the design thinking process in the learning unit on Health by using English language learning exercises for Grade 6 students. The results of the study of the effectiveness index of the learning management plan by applying the PADRA model based on the design thinking process in the learning unit on Health for Grade 6 students (N=30) It was found that the conceptual application of the PADRA model with Design Thinking in the Health learning unit was used to develop English learning achievement of Grade 6 students, equal to 0.77, indicating that the learning management plan by applying the PADRA model based on the design thinking process in the health learning unit for grade 6 students helps students achieve higher percent 77.00

3. Analyze the effect of using the innovative prototype to rehabilitate the recession in English learning among Chumchonnonghin School students. Loei Primary Educational Service Area Office 2 and the results of the learning achievement of Grade 6 students who studied by using the PADRA model learning management plan based on the design thinking process in The health learning unit using the English language learning exercises was a study of the learning achievement of Grade 6 students who studied with the learning activity plan by applying the PADRA model according to concepts with design thinking in the learning unit on Health for Grade 6 students by analyzing the relative development scores of learning achievement. The percentage of pre-school scores was 14.10, the percentage of after-school scores was 24.21, and the percentage developmental scores were 63.36. The results of the overall development level were high. Divided according to the criteria as follows: 17 people with very high development and 13 people with high development.

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