

# Modern Teaching Methodologies by Piotr Derugo PhD

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# Some History

Frederick William I introduced compulsory schooling in 1717.

Who is most lacking? First of all: simple citizens devoted to the state who **understand written instructions and announcements**. A universal primary school is to shape **future soldiers, methodical workers and meticulous officials**.

From the class layout to the formula of classes - everything accustoms children to **individual, repetitive work**. And most importantly, the model introduced by Frederick William I and developed by subsequent rulers, teaches **respect for hierarchy and obedience**.

## MODEL ASSUMPTIONS:

- Exam results determine the effectiveness of teaching
- Children are to learn the same thing, in an identical way
- The organisation of the year is adapted primarily to rural children. Hence the long holidays falling in the summer.
- A maximum of 80 people can study in one class
- Repetitio mater studiorum est

# Kolb's Learning Styles & Experiential Learning

The Kolb Cycle is a four-stage learning process developed by David Kolb in the 1970s. It is based on the assumption that learning involves both a cognitive and an experiential component.





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Kolb, David  
Allen, and  
Ronald  
Eugene  
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of experiential  
learning*. MIT  
Alfred P. Sloan  
School of  
Management,  
1974

Chapter 3

## Towards an Applied Theory of Experiential Learning

David A. Kolb  
Ronald Fry

Massachusetts Institute of Technology

The experiential learning model and its practical counterpart, the action-research method, are among the most seminal of the many contributions made by Kurt Lewin and his associates in their early work on group dynamics. From these ideas came the laboratory training method and T-groups, one of the most potent educational innovations in this century. The action-research method has proved a useful approach to planned change interventions not only in small groups but also in large complex organizations and community systems. Today this methodology forms the cornerstone of most organization development efforts.

The underlying insight of experiential learning is deceptively simple, namely that learning, change and growth are best facilitated by an integrated process that begins with (1) here-and-now experience followed by (2) collection of data and observations about that experience. The data are then (3) analysed and the

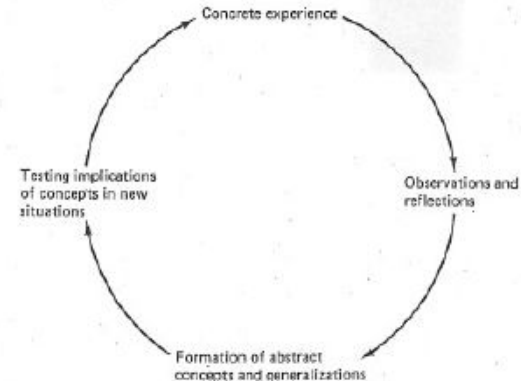
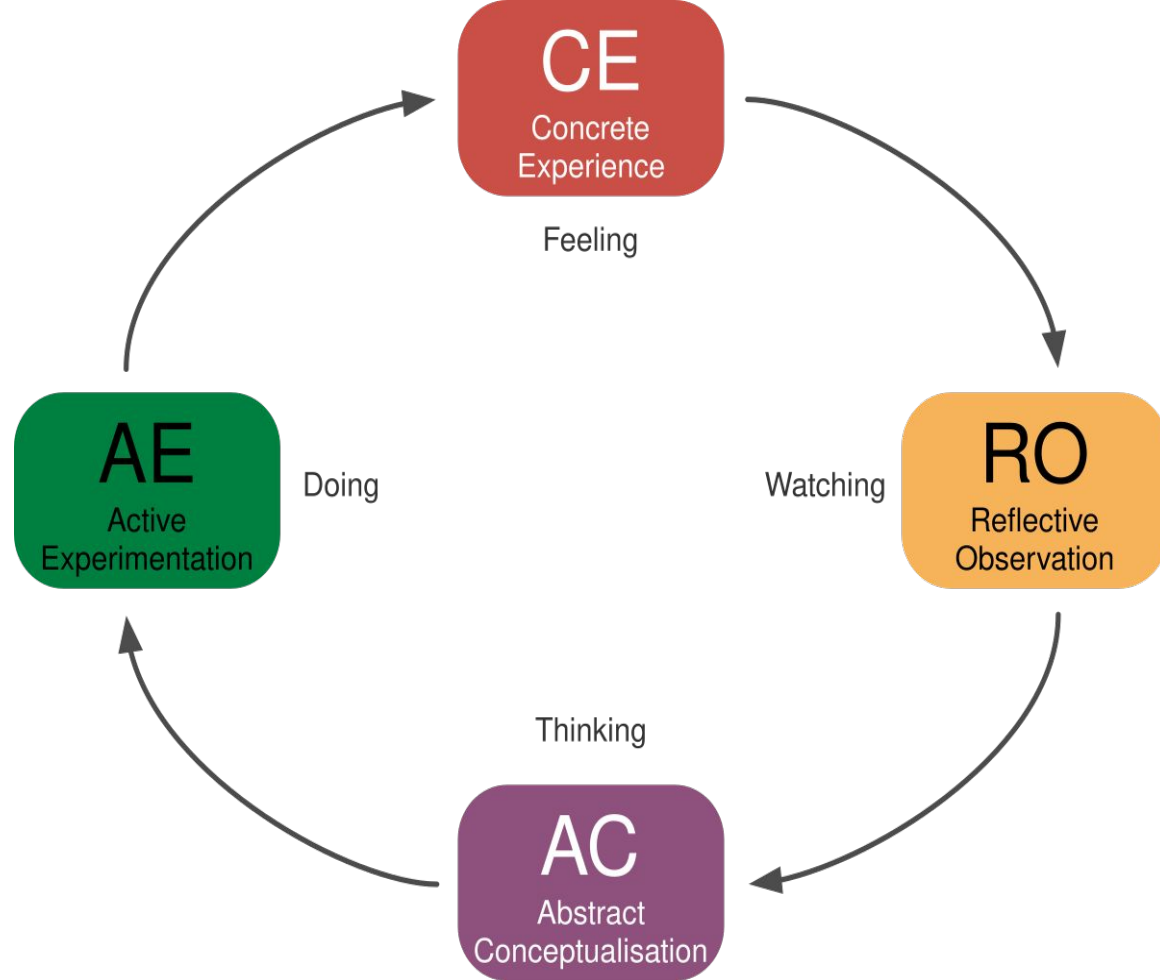


Figure 1. The experiential learning model



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[https://en.wikipedia.org/wiki/File:The\\_Four\\_Steps\\_in\\_Kolb\\_Cycle.svg](https://en.wikipedia.org/wiki/File:The_Four_Steps_in_Kolb_Cycle.svg)

#1 Concrete experience – stage 1 of Kolb's cycle. This involves directly experiencing a situation or problem. A person must have direct contact with the subject of study in order to understand it well. In this stage, a person collects information and gains knowledge about a given issue.

#2 Reflective observation – stage 2 of Kolb's cycle. In this stage, a person analyzes their experiences, thinks about what happened, why it happened and what to do to act better in the future. Reflection allows a person to process information and transform it into knowledge.

#3 Abstract conceptualization – stage 3 of Kolb's cycle. This stage of Kolb's cycle is the creation of concepts, formulating general principles of operation of a given theory, system. A person looks for connections between different elements and creates general concepts and principles. In this way, a person organizes their knowledge and creates a frame of reference on the basis of which they will act in the future.

#4 Active experimentation – stage 4 of Kolb's cycle. In this last stage, a person tests their concepts in practice and checks how they work in real situations. This is the stage where a person can confront their theories with reality and learn from their mistakes. The knowledge they have applied is to be tested in practice.





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Google Scholar search results for "Kolb, David A. 'Experience as the source of learning and development.' Upper Saddle River, NJ: Prentice Hall, 1984".

Artykuły Mój profil Moja biblioteka

**Bez ograniczenia czasowego**  
Od 2023  
Od 2022  
Od 2019  
Zakres niestandardowy...

**Wg trafności**  
Wg daty

**Dowolny język**  
Tylko język polski

**Dowolny typ**  
Artykuły przeglądowe

uwzględnij patenty  
 uwzględnij cytaty

**[CYTOWANIE] Experience as the source of learning and development**  
[DA Kolb](#) - Upper Saddle River: Prentice Hall, 1984  
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Wyświetlany jest najlepszy wynik wyszukiwania. Pokaż wszystkie wyniki

ResearchGate page for "Experiential Learning: Experience As The Source Of Learning And Development" by David A. Kolb.

Home > Active Learning > Education > Teaching Methods > Experiential Learning

Book PDF Available

**Experiential Learning: Experience As The Source Of Learning And Development**

January 1984  
Publisher: Prentice-Hall · ISBN: 0132952610

**Authors:**

**David A. Kolb**  
Case Western Reserve University

Download full-text PDF

Citations (28,256) References (3)



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## SUMMARY: A DEFINITION OF LEARNING

Even though definitions have a way of making things seem more certain than they are, it may be useful to summarize this chapter on the characteristics of the experiential learning process by offering a working definition of learning.<sup>3</sup> *Learning is the process whereby knowledge is created through the transformation of experience.* This definition emphasizes several critical aspects of the learning process as viewed from the experiential perspective. First is the emphasis on the process of adaptation and learning as opposed to content or outcomes. Second is that knowledge is a transformation process, being continuously created and recreated, not an independent entity to be acquired or transmitted. Third, learning transforms experience in both its objective and subjective forms. Finally, to understand learning, we must understand the nature of knowledge, and vice versa.

<sup>3</sup>From this point on, I will drop the modifier “experiential” in referring to the learning process described in this chapter. When other theories of learning are discussed, they will be identified as





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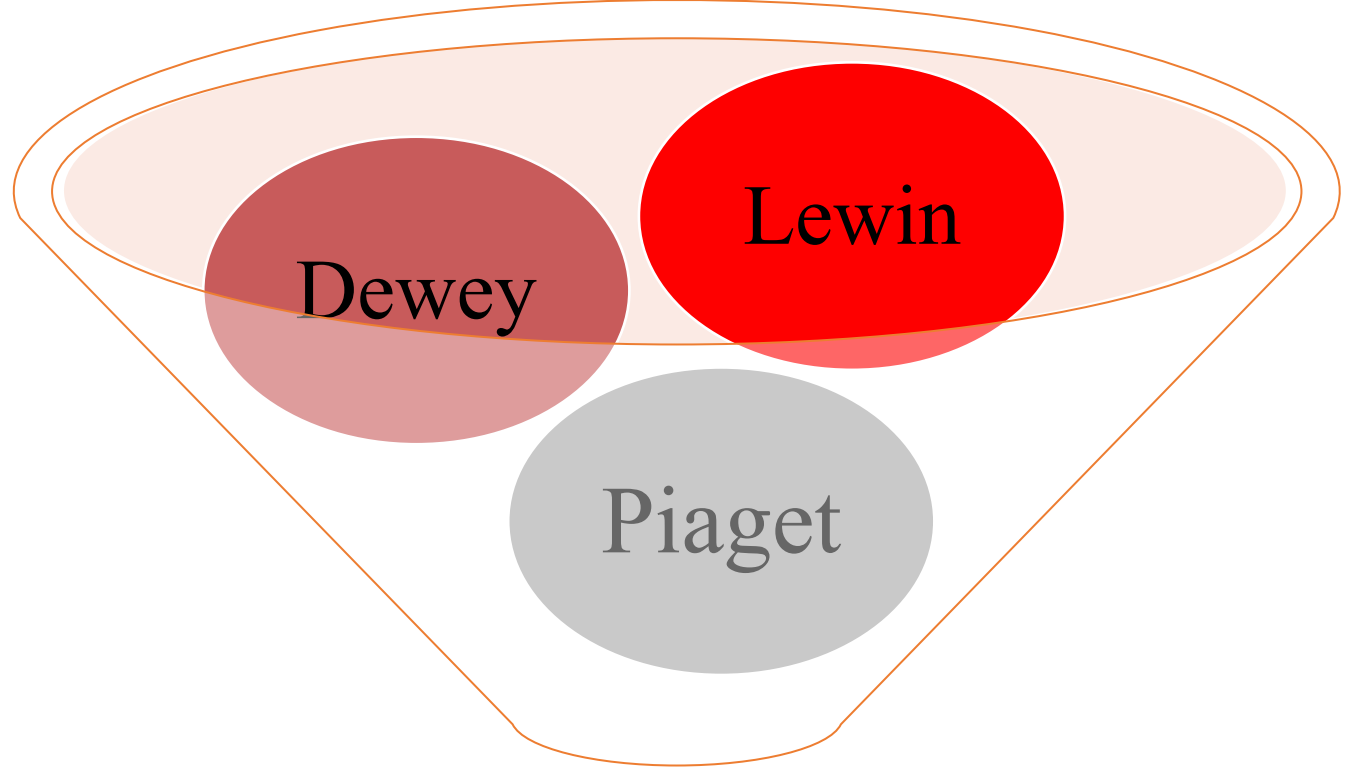
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Dewey

Lewin

Piaget

**David A. Kolb**



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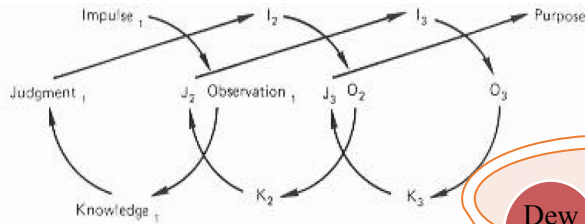


Figure 2.2 Dewey's Model of Experiential Learning

**John Dewey**  
1859 – 1952

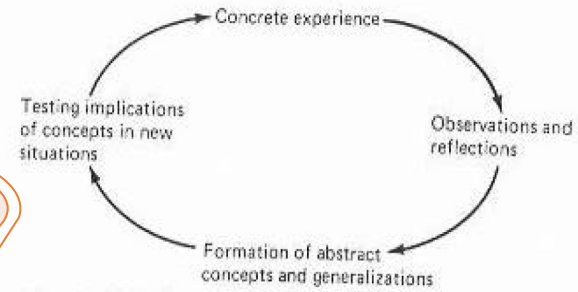


Figure 2.1 The Lewinian Experiential Learning Model

**Kurt Lewin**  
1890 – 1947

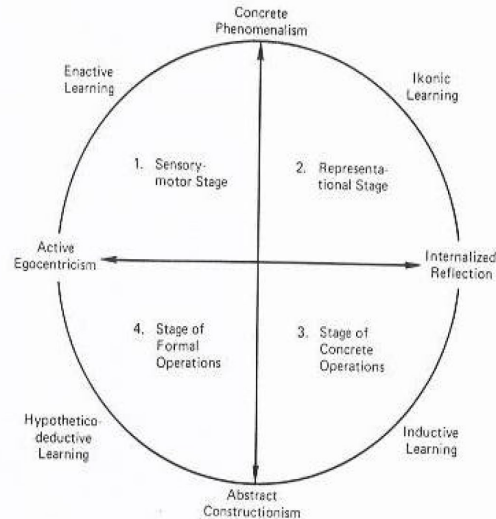


Figure 2.3 Piaget's Model of Learning and Cognitive Development

**Jean Piaget** 1896–1980

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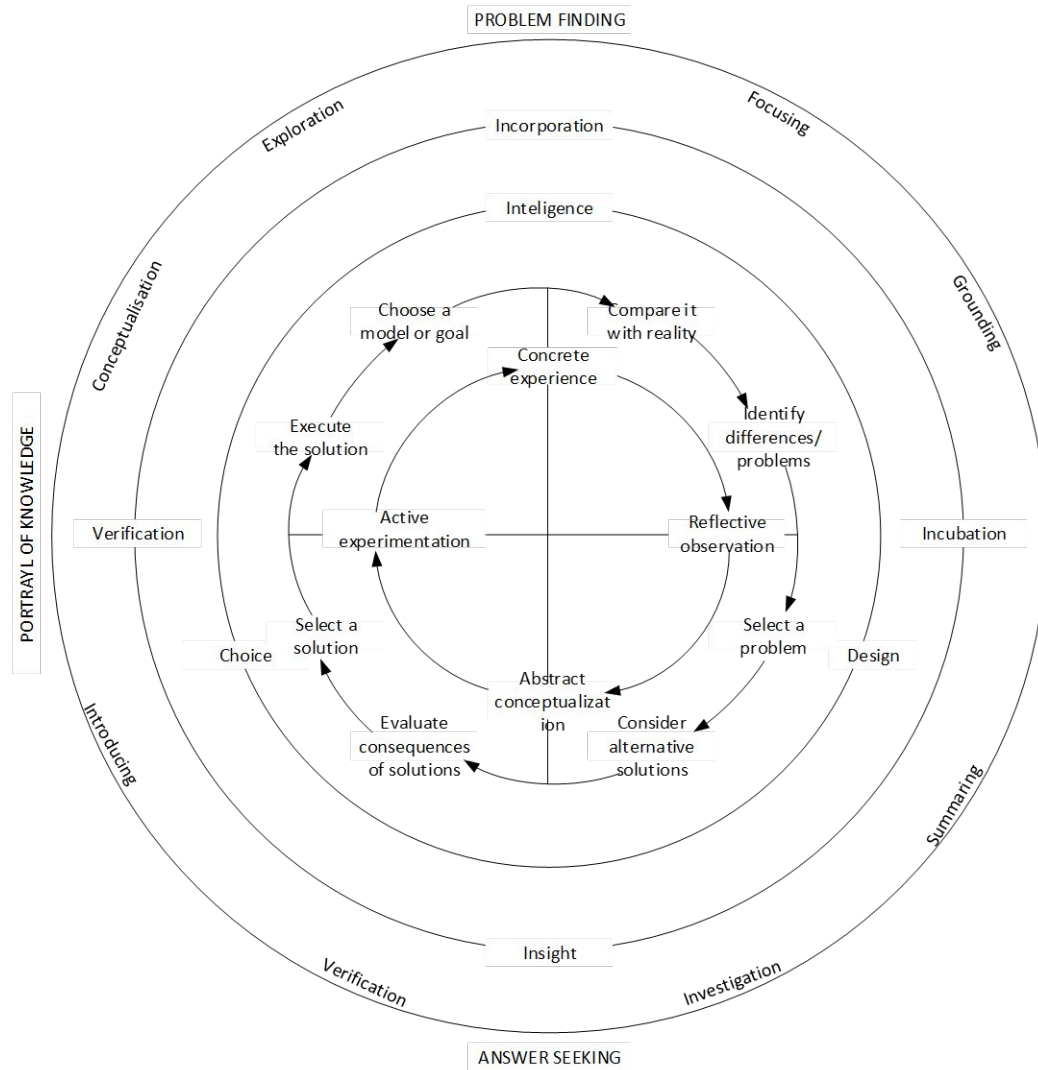


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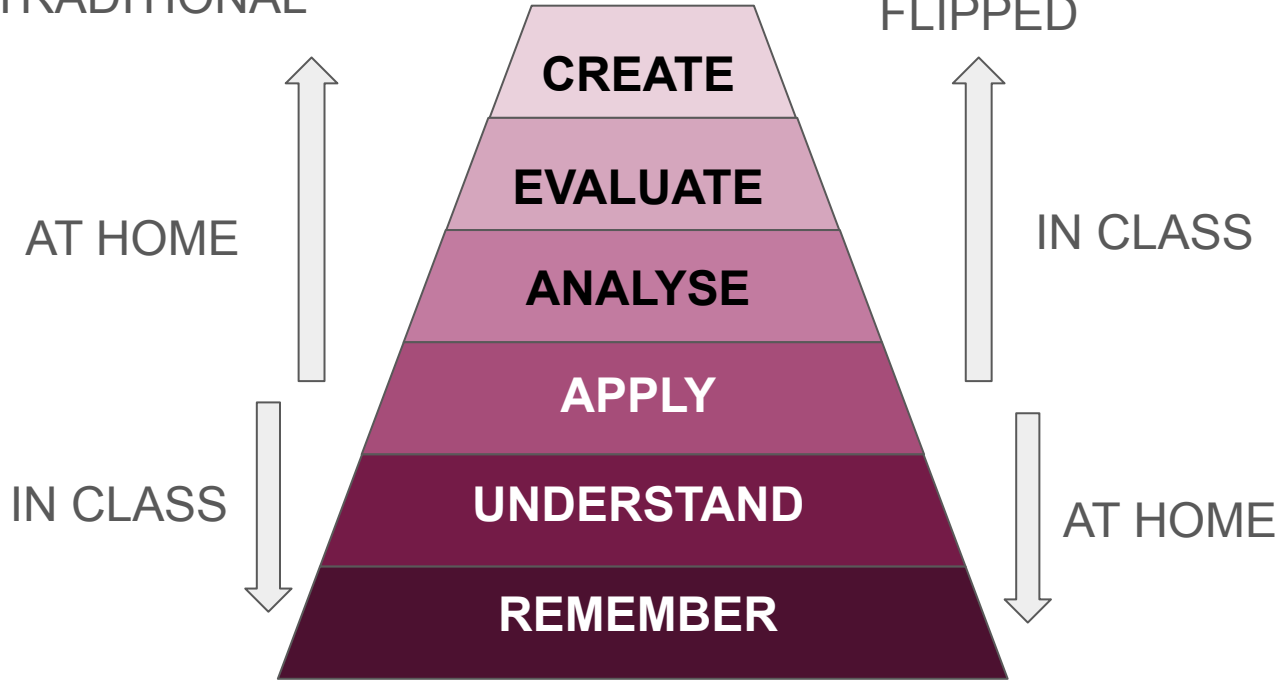
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TRADITIONAL

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# BLOOM'S TAXONOMY

<b>CREATE</b>	Use existing data and information to make something new
<b>EVALUATE</b>	Based on analysis of data and information make judgements
<b>ANALYZE</b>	Think about relationships, connections, causes and reasons
<b>APPLY</b>	Try to use existing information in new contexts
<b>UNDERSTAND</b>	Rephrase, describe, look for the meaning of information
<b>REMEMBER</b>	Repeat and recall information and data



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## TRADITIONAL LEARNING

Told what we need  
to know

Memorize it

Problem  
assigned  
to illustrate  
how to use it

## Problem-based learning

Problem assigned

Identify what  
we need to  
know

Learn and apply  
to solve the  
problem

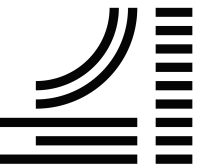


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