Evaluation of the effectiveness of a program for developing critical thinking, and its impact on rational thinking among university students.

Critical thinking is one of the most important thinking skills that help an individual in identifying the correct information, so that it can employ this information to achieve the objectives and goals of society.

Current research aims to:
- Design a training program for the development of critical thinking among university students.

The results were as follows:
- There are significant differences between the experimental and control groups in the post measurement, for the benefit of the pilot for the skill of accuracy in checking the facts - which validates the first hypothesis.
- There are significant differences between the experimental and control groups in the post measurement, for the benefit of the pilot for the skill to recognize the objective facts - which validates the second hypothesis.
- There are significant differences between the experimental and control groups in the post measurement, for the benefit of the pilot for the skill to recognize the context of the proper relationship - which validates the third hypothesis.
- There are significant differences between the experimental and control groups in the post measurement, for the benefit of the pilot for the skill discussions calendar - which validates the fourth hypothesis.
- There are significant differences between the experimental and control groups in the post measurement, for the benefit of the pilot for reasoning skills - which validates the fifth hypothesis.

Key words: Evaluation- program - developing - critical thinking- rational thinking - university students.

References:


Author Biographies:

Professor of Educational Psychology. Years achieved: 33 years. Places of employ: Al Taif University, Hael University and Helwan University- Faculty of Education. Egyptian Association for Psychological Studies, Studies and Arts, Helwan University, Books were published:

- Introduction to psychology
- Developmental psychology
- Measuring and evaluation
- Psychology of creativity
- Individual differences

Current research issues:

- Cognitive psychology, creativity, developing mental abilities, developing mental skills

Prizes:

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Research Summary (2)

Classical conditioning from cognitive view

Began research requirement on the animal and then moved to the rights and used some clinical applications in the treatment of behavior, and studies are (Iger and Miller and Rskorla and Kamen and wagner) models for attempts new interpretation of many of the problems of learning, especially those linked to learning theory, behavioral under knowledge is in the direction has started to take its role clearly with the advent of information theory, which previously referred to the direction of the composition and handling information, where is this information are events that relate Palmther and response, and related relationships predictive, and learning theory modern the compatibility or relationship necessary Contingency and not pairing Contiguity between M St., mg St. has become a necessity for the emergence of the requirement, so the correlation between M St., and M. G. St.

Key words: Classical conditioning, cognitive view

Published in: Ninth annual conference, faculty of education - Helwan university (2001)

References:

- ستيوارت هـ. هولس, هوارد اجث, جيمس ديز (1983): سيكولوجية التعلم. ترجمة فؤاد أبو حطب و آمال صادق. دار ماكجروهيل للنشر

Author Biographies:

Professor of Educational Psychology. Years achieved: 33 years. Places of employ: Al Taif University, Hael University and Helwan University- Faculty of Education. Egyptian Association for Psychological Studies, Studies and Arts, Helwan University, Books were published:

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- Individual differences

Current research interests:

Cognitive psychology, creativity, developing mental abilities, developing mental skills

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Research Summary (3)

The impact of both academic achievement and some of the trait of personality on time management and time estimation and teaching performance for college students

1 - highlighting the importance of time as a valuable resource and work to guidance to achieve the desired goals.
2 - to know the differences between the higher and the lower achiever where time management and accuracy of its appreciation.

Action:

The method used: Use descriptive approach Relational as well as quasi-experimental approach has been a procedural action set emperical control has been equality between groups.

The results were as follows:

• There is significant difference between high and low achievers in time management due to academic achievement and personality and interaction between it.

• There are significant differences between high and low achievers in short term planning due to personality. this differences biased to neurotic extroversion.

Key words: academic achievement - personality - time management - time estimation - teaching performance - college students

Published in: Egyptian Association for psychological studies (2003)
References:


  http://Eriaca.net/ericab/E.D.417667.htm

Author Biographies:

Professor of Educational Psychology. Years achieved: 33 years. Places of employ: Al Taif University, Hael University and Helwan University- Faculty of Education. Egyptian Association for Psychological Studies, Studies and Arts, Helwan University, Books were published: -

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- Individual differences

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Department of Psychology

Research Summary (4)
Common misconceptions among students in the Division of Special Education

Therapeutic diagnostic study

The concepts of the most important learning outcomes by which is organized knowledge whether concepts scientific or concepts literary meaningfully, it is based on facts that are associated with each ties certain, and at the same time the basis of building principles and laws, and learn the concepts well helps Survival after learning.

The concepts of the most important learning outcomes by which is organized knowledge whether concepts scientific or concepts literary meaningfully, it is based on facts that are associated with each ties certain, and at the same time the basis of building principles and laws, and learn the concepts well helps Survival after learning.

Search Results and discussion:
To test the validity of the first hypothesis was applied diagnostic test and calculate the percentages of correct answers and wrong for each individual concept
- That the number of concepts where the errors had been 40% or more of 16 concept
- There are significant differences between the average performance of the experimental group in the pre and post measurements on variable collection

Key words : misconceptions – alternative conceptions - university students.

Published in: Annual meeting conference , college of Education , Helwan University ( 2005 )

References :
Author Biographies:

Professor of Educational Psychology. Years achieved: 33 years. Places of employ: Al Taif University, Hael University and Helwan University- Faculty of Education. Egyptian Association for Psychological Studies, Studies and Arts, Helwan University, Books were published:

- Introduction to psychology.
- Developmental psychology
- Measuring and evaluation
- Psychology of creativity
- Individual differences

Current research interests:

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Prizes:

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Research Summary (5)
The effectiveness of some strategies Acquisition of scientific concepts on the content structure of cognitive and academic achievement have fifth graders

concepts are kept as part of the construction of knowledge in the form of symbols arranged and rules.
And construction of knowledge and processing operations or processing act in an interactive manner, and each signifier impact on the events of the differences between individuals in the result of cognitive mental activity.
The present study aims to:
- Use some of the proposed strategies that work to increase the structure of content knowledge content for students in the sciences.
- To study the effectiveness of some strategies to acquire concepts in academic achievement in science for fifth graders.
the results were as follows:
There are significant differences between the performance of the experimental and control groups on the cognitive structure containing variable in the dimensional measurement of favor experimental group and thus achieved the first hypothesis
2 - There are significant differences between the performance of the experimental and control groups on academic achievement dimensional variable for the experimental group which confirms the validity of the second hypothesis.
Key words : effectiveness - strategies Acquisition - scientific concepts - content structure of cognitive- academic achievement - fifth graders.


References:
- سعيد حامد محمد(1992) : دراسة لبعض المتغيرات المؤثرة في استراتيجيات اكتساب المفاهيم الكيميائية لدى طلاب المرحلة الثانوية ، رسالة دكتوراه ، تربية بنها

Author Biographies:
Professor of Educational Psychology. Years achieved: 33 years. Places of employ: Al Taif University, Hael University and Helwan University- Faculty of Education. Egyptian Association for Psychological Studies, Studies and Arts, Helwan University, Books were published : -
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