

CHESS TEACHING RESEARCH FINDINGS WITHIN THE FRAME OF PSYCHOLOGICAL THEORIES AND PRACTICES

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TEACHING AND LEARNING CHESS AND PSYCHOLOGICAL THEORIES

Behavioral theories

Teacher training

Teaching strategies

Learning environment and contextual factors critical thinking, memory, attention, decision making, problem solving,

Cognitive theories

Cognitive processes Humanistic theories

Motivation, active learning, free choice, and Emotional intelligence, responsibility,

Social learning theory

social behavior

Experience, modelling, Attitudes, relations, communication, interaction



BEHAVIORIST ORIENTATION

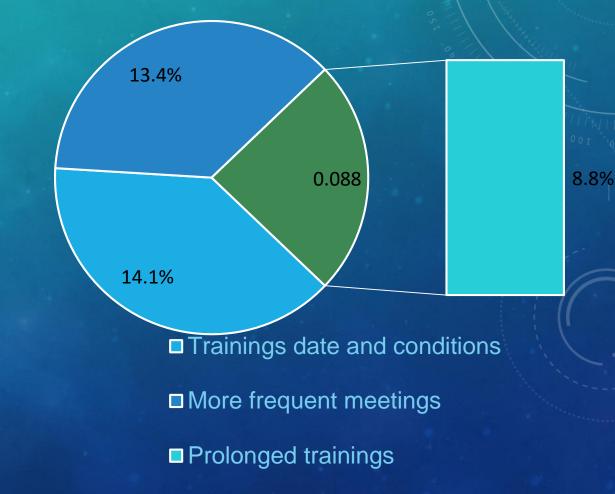


- The focus was on **observable behavior** rather than on internal cognitive processes.
- The environment is the shaper of learning and behavior, not individual characteristics.
- The teacher's role is the most important, and in this perspective,
- Environment elicits the desired behaviors.

CHESS TEACHERS TRAINING EVALUATION RESEARCH



What would you like to be improved in training?



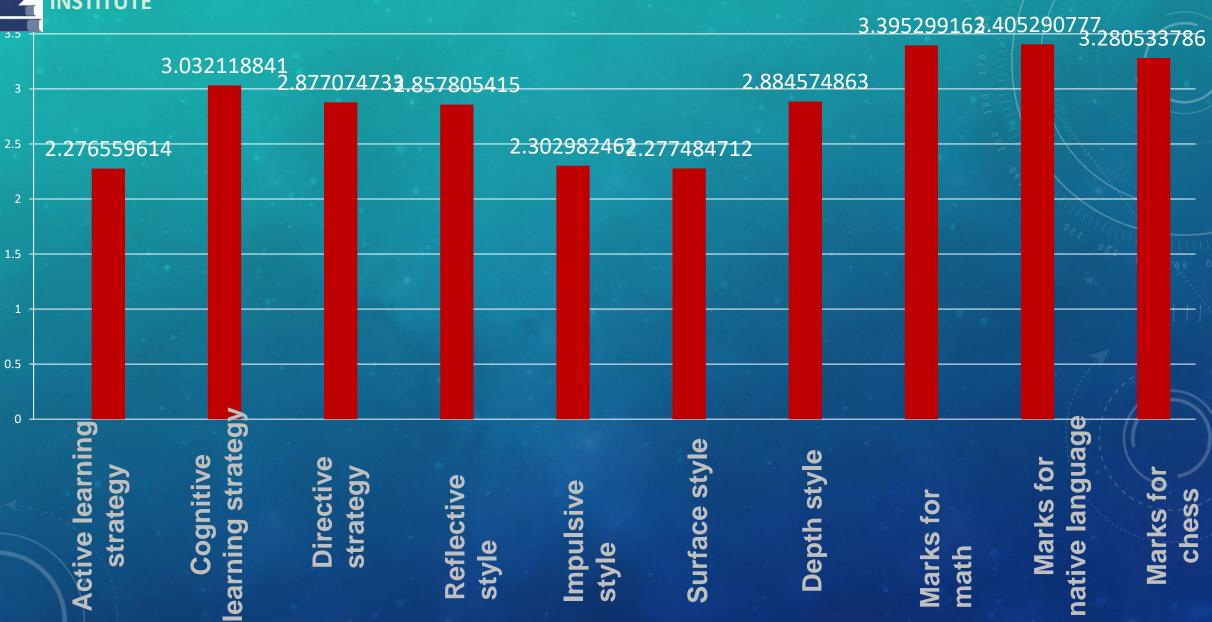
What important have you learn?



Psychological and Pedagogical Knowledge
Chess knowledge
Experience exchange
Collaborative atmosphere

CHESS SCIENTIFIC RESEARCH

INSTITUTE





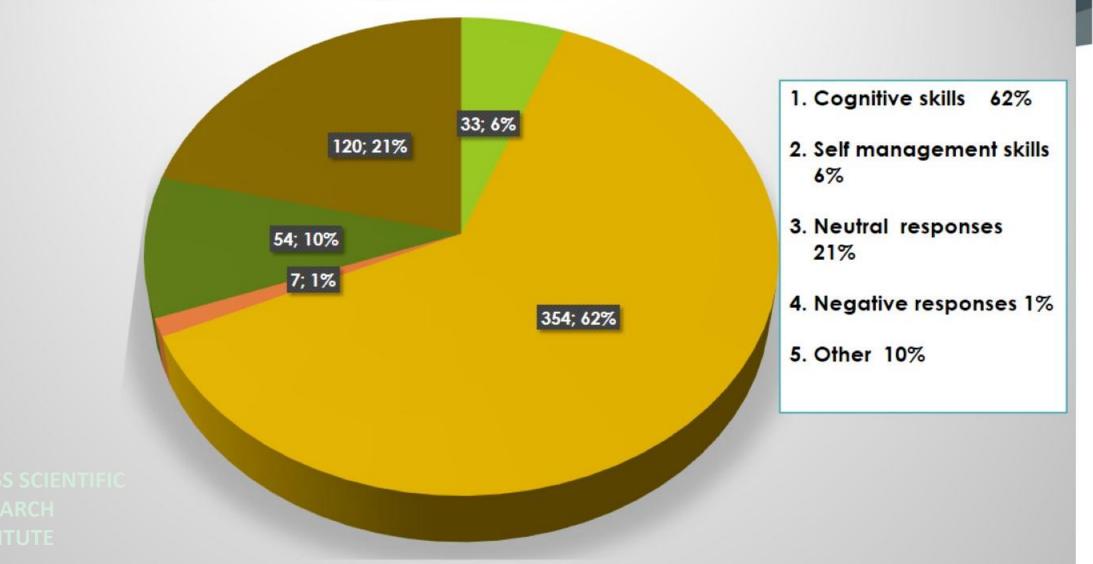
COGNITIVE ORIENTATION

- Cognitive theories of learning are concerned with processes which occur inside the brain and nervous system as a person learns. They share the perspective that people actively process information and learning takes place through the efforts of the learner.
- New information is linked to old knowledge, schema and scripts.



Impact of Chess on Schoolchildren

Which are the positive aspects of teaching chess at school?





CHESS AND COGNITIVE ABILITIES

- Empirical research has found that there is a high correlation between the good in chess students' attention effectiveness and sustainability, intellectual capability and analytical-synthetical abilities.
- Correlational links have been registered between students creativity and chess skills.

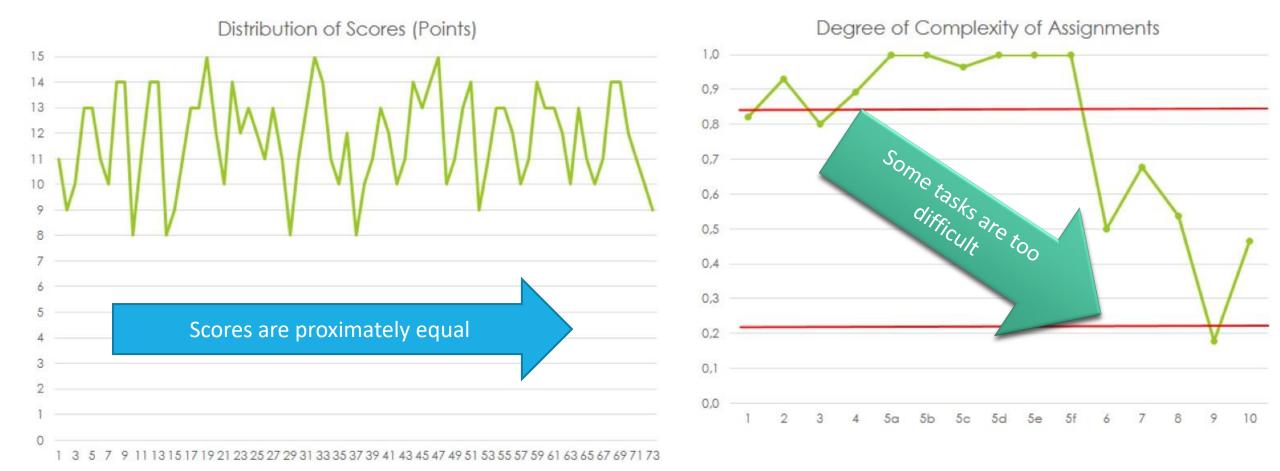














CHESS SKILLS TESTING IN PRIMARY SCHOOL

visualization

prophylaxis

pattern recognition

plan adaptation

calculation

position evaluation and moves filtering as analytical skills,

planning



CHESS SKILLS: RESEARCH RESULTS AND RECOMMENDATIONS

Research findings

 Visualization skills are the simplest in terms of primary school chess and they showed the highest level of formation.

Recommendations.

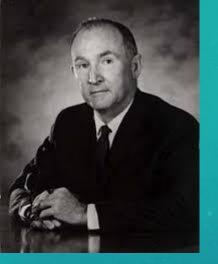
- Improve school curriculum to develop these skills in primary school.
- Find out paths to transfer chess skills to other components of learning process.



HUMANIST ORIENTATION

- Humanistic theories shift the emphasis to the potential for individual growth in the learner. They bring the affective functioning of the human into the arena of learning.
- Motivation, choice, and responsibility are influences of learning. Life's experiences are the central arena for learning.







We all are mini scientists...Constructive alternativism...



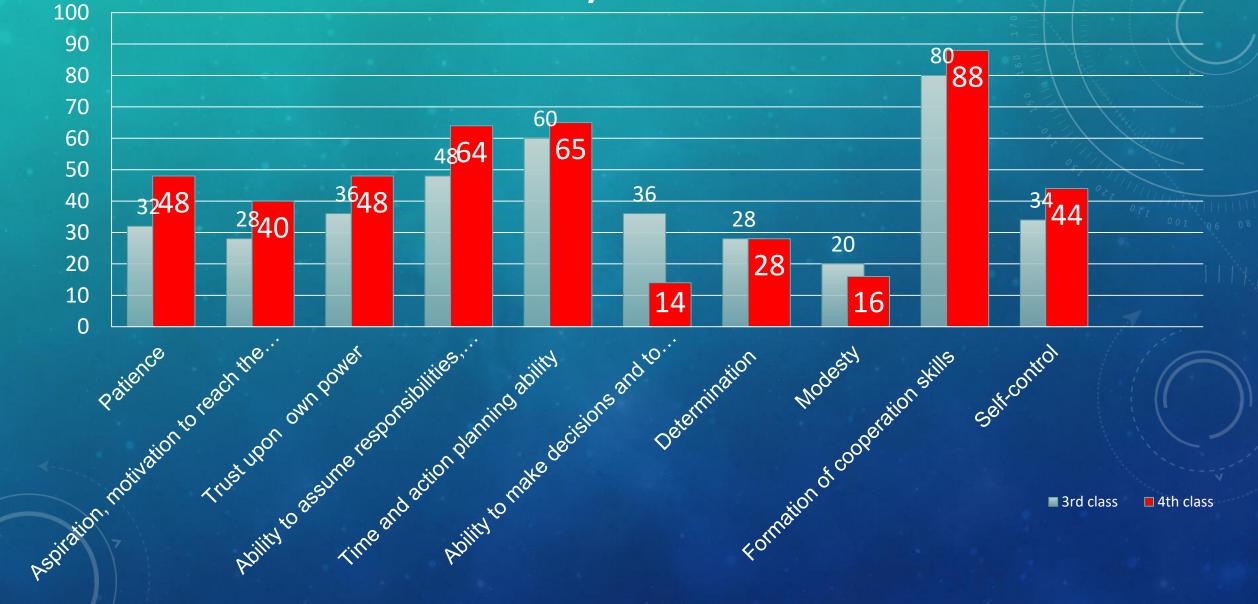


CHESS LESSONS AND STUDENTS' LEARNING MOTIVATION

 Children are originally motivated by chess
Passing from game – studying to lesson- studying can demotivate students



"WHAT HAS CHESS GIVEN TO ME?". Content analyses of the results





An evidence of chess as a subject which promotes thinking and reflection.

- During chess lessons reflective style was higher than the impulsive style
- Active learning strategy is not fully implemented by schools.







SOCIAL LEARNING ORIENTATION

- The interactions between people as the primary mechanism of learning. Learning based on observation
- All four processes attention, retention (memory), behavioral rehearsal, and motivation contribute to learning by observation.







THE MAIN FACTORS FOR CHESS LEARNERS' SUCCESS

Parents' involvement in the learning process of children Socio-economic status of the family parents' participation in the learning process of children.

School and teacher should be interested in active cooperation with parents.

THANK YOU