

Training Needs Analysis in Economic Teaching

Council for Economic Education, Chicago 2011



Chair of Economics and Economic Education

Training Needs Analysis in Economic Teaching.

On the suitability of the Test of Economic Literacy (TEL)

50th Annual Financial Literacy and Economic Education Conference des Council for Economic Education Chicago, October 2011

Prof. Dr. Thomas Retzmann

Chairman of the German Society of Economic Education

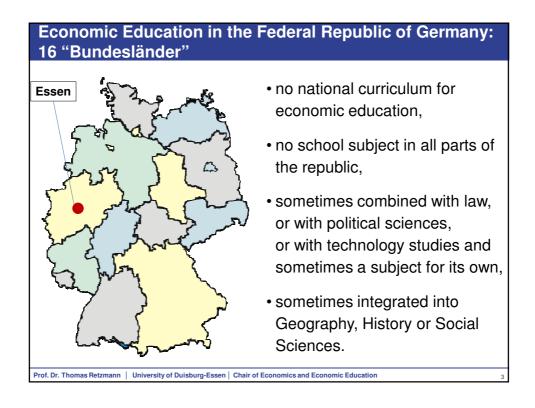
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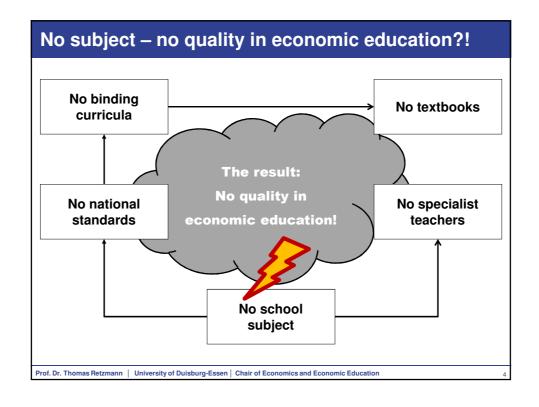
- Economic Education in the <u>Federal</u> Republic of Germany: only heterogeneous or simply terrible?
- No school subject no quality in economic education?!
- National Standards for Economic Education a recent Development
- Competence areas: The ABC of Economic Education
- · Competence areas and domain specific subcompetences
- · Aims of the pilot study
- · Method: The tool: TEL (WBT) and the Sample
- · Selected Results
- Discussion

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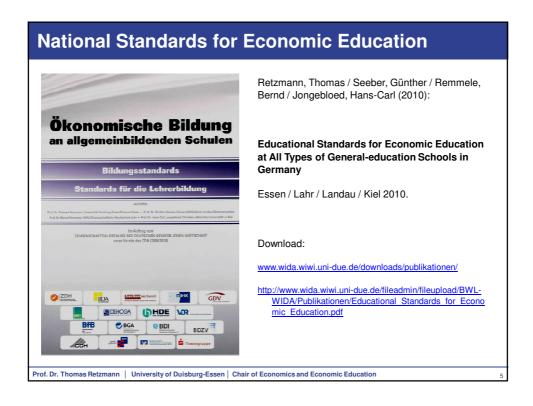
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Α	Decision and rationality	decisions between given alternatives,pursuit of their own legitimate interest to the best extent,
^	(of the individual)	 evaluation of utility and cost by their preferences, ability to make rational economic choices.
В	Relationship and interaction	- economic action in a social context, - engaged in beneficial economic relationships, - engaged on others.
	(with others)	- impact on others, - consideration of the preferences of others.
_	Order and system	 beyond the individual or inter-subjective perspective, economy as an abstract system of aggregated actions,
С	(of the whole)	- economic system is politicly shapeable,

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Competence areas and domain specific subcompetences

Competence areas		Subcompetences: Students		
Α	Decision and rationality	A 1 Analyse situationsA 2 Evaluate alternative actionsA 3 Shape possible actions		
В	Relationship and interaction	B 1 Analyse constellations of interests B 2 Analyse, evaluate and shape co-operations B 3 Analyse relationship structures		
С	Order and system	C 1 Analyse markets C 2 Analyse economic systems and orders C 3 Judge on politics and shape them economically		

Retzmann / Seeber / Remmele / Jongebloed 2010, p. 19

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Aims of the pilot study

Final goal:

Development of a tool for self-assessment in further training needs for teachers in Economic Education

Approach:

Does the TEL fit?

Status of teachers' knowledge: Is there any measure for it? Is further teacher training required at all?

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The Tool

Test of Economic Literacy (TEL/ WBT)

originally designed by J.C. Soper & W. B. Walstad (1987) for high school student assessment

adapted by K. Beck und V. Krumm (1998), carried out in a number of studies

requires some adaptations (GDP – GNP, € - DM etc.): no substantial changes (problem of representation)

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The content categories / clusters of the TEL

Forms A and B: 46 items (MC); 15 common items)

- Fundamental economic concepts: scarcity, productivity, opportunity costs, ...
- **Microeconomic concepts**: prices, supply & demand, competition, income distribution ...
- **Macroeconomic concepts**: GDP, unemployment, inflation, monetary and fiscal policy, ...
- International economic concepts: comparative advantages, exchange rates, ..:

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The Sample

N = 176 male: 51,7%, female: 48,3 % Form A/B: 50% each

3 regions: Chemnitz (76), Essen (73), Kiel (27)

Teachers without any specific vocational experience: 85,2%

Teachers without economics further training: 58,5%

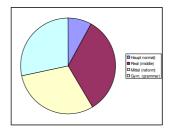
Distribution to schools:

- Hauptschule (main) 8,0%- Realschule (middle) 32,4%

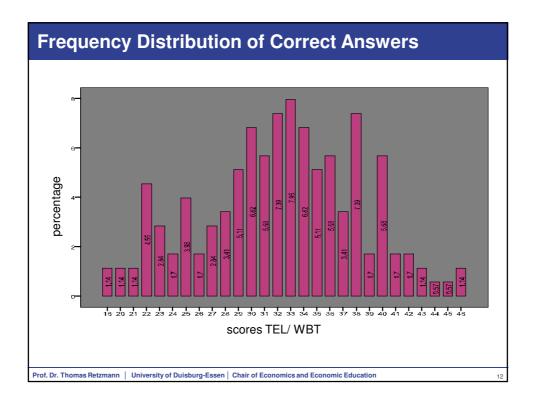
- Mittel/Regional/

Stadtteilschule (reform) 29,5%

- Gymnasium (grammar) 27,8%



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Form A	Form B		
	TOITI B	A+B	
correct answers in %			
71,3	75,7	73,5	
69,2	78,2	73,7	
65,1	70,5	67,8	
64,6	59,3	61,95	
	71,3 69,2 65,1	71,3 75,7 69,2 78,2 65,1 70,5	

Taxonomy of Educational Objectives (Bloom)						
	Form A	Form B	A+B			
Level	correct answers in %					
I: Knowledge	78,8	80,8	79,8			
II: Comprehension	69,4	74,6	72,0			
III: Application	68,6	72,4	70,5			
IV: Analysis	60,3	69,3	64,8			
VI: Evaluation	56,3	54,8	55,55	•		
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Correlations between Test Score and Independent Variables

independent variables:

gender (2fold nominal scale)

topic of studies (4fold – nominal scale)

studies in pedagogy (2fold nominal scale)

participation in further teacher training (3fold nominal scale)

professional experience (4fold - ordinal scale)

age (3fold ordinal scale)

subjects taught (4fold - nominal scale)

place of enquiry (3fold nominal scale)

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Thank you for your attention!

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Further information:

http://www.wida.wiwi.uni-due.de/en/

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