www.pearsoneducation.nl

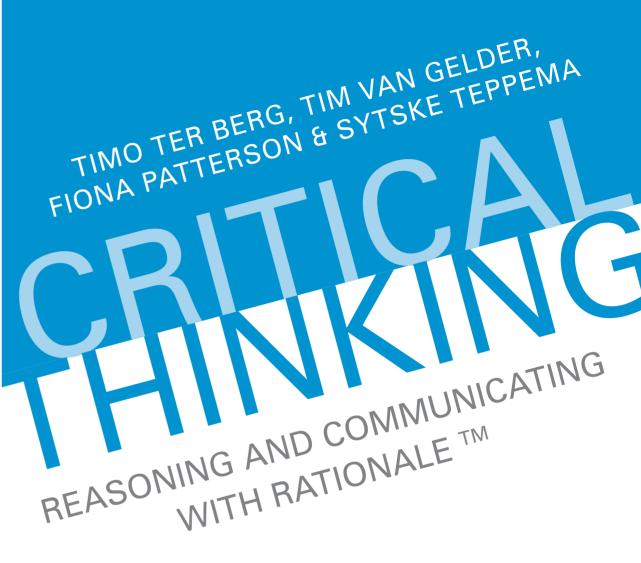




Critical thinking is not an innate skill. However, it is a skill you Critical thinking is not an innate skill. However, it is a skill you can nurture. The unique Critical Thinking with Rationale method Rationale[™] is the name of the software programme that helps Rationale[®] is the name of the software programme that neips you organize information, visualize argumentation, and sub-You organize information, visualize argumentation, and sub-sequently build a strong and well-founded argument. You will can help you with that. sequently build a strong and well-rounded argument. You will also learn how to identify, analyze and evaluate argumentation also learn now to identify, analyze and evaluate argumentation presented by others. This book focuses on the basic concepts presented by others. This book rocuses on the basic concepts of critical thinking, and provides insight into the theory behind the method. Cofficience and back are the reference incoments סו כתווכמו נחותאותש, מתם provides והגושות וחנט נתפ נתפסדע peni the method. Software and book are therefore inseparable. This method is suitable for students in higher education who I his method is suitable for students in higher education who want to develop a critical, inquisitive attitude. And it is also an ideal tool for professionale who are looking to improve their want to develop a critical, inquisitive attitude. And it is also an ideal tool for professionals who are looking to improve their The Critical Thinking with Rationale method, developed at the The Officer Thinking with Rationale method, developed artife University of Melbourne through years of research, was intro-duced in the Netbode developed in 2007 and week worked the 70 percent reasoning and arguing skills. University of Welbourne through years of research, was intro-duced in the Netherlands in 2007, and was awarded the Zilveren Students can download Rationale on www.surfspot.nl. Further Innovatieprijs by the HBO-raad in 2008. Students can download nationale on www.sunspot.ni. Furmer information on the method and Rationale is available on www. kritischdenken.nl.

TER BERG, VAN GELDER, PATTERSON ထု TEPPEMA **CRITICAL THINKING**

PEARSON Education



ISBN: 978-90-430-1801-2 Uniform Dutch-Language Classification (NUR): 143 Key words: critical thinking, reasoning, communicating

This is a publication by Pearson Education Benelux by, Postbus 75598, 1070 AN Amsterdam Website: www.pearsoneducation.nl – email: amsterdam@pearson.com

Interior: CO2 Premedia, Amersfoort Cover: Studio Jan de Boer, Amsterdam

This book is part of the methodology *Critical Thinking with Rationale*. Educational institutes can acquire the methodology at Surfdiensten.nl in license.

Students can download the software Rationale at Surfspot.nl with a special discount.

For more information about the methodology and about Rationale, see: www.kritischdenken.nl.

This book is printed on non-chlorine bleached paper in a bid to reduce the impact of production on the environment.

Copyright © 2009 Pearson Education Benelux

All rights reserved. Nothing in this publication may be duplicated, recorded in an automated database or made public, in any form or in any way, whether electronic, mechanic, photocopies, recordings or any other manner, without prior permission from the publisher.

Inasmuch as making copies of this publication is permitted on the basis of article 16B of the Copyright Act of 1912 in accordance with the Decree of 20 June 1974, Bulletin of Acts, Orders and Decrees 351, as amended by the Decree of 23 August 1985, Bulletin of Acts, Orders and Decrees 471 and Article 17 of the Copyright Act of 1912, the legally owed payment must be made to the Reproduction Rights Association. For the use of part(s) of this publication in anthologies, learning path packs and other compilations or other works (Article 16 of the Copyright Act of 1912), in whatever form, the publisher must be contacted.

Despite all care taken in the creation of this book, neither the editors, the author, the translators nor the publisher can accept responsibility for any damages arising from any mistakes in this publication.

Contents

Pref	V	
Intro	IX	
1	Critical Thinking	1
1.1		1
	Knowledge, skills and attitude	1
1.2	How to Develop your Critical Thinking Skills?	2
	Basic principles	2
1.3	Argument Mapping	3
	What is argument mapping?	3
	History of argument mapping	3
1.4	Rationale	6
2	Topics Critical Thinking with Rationale	13
2.1	Grouping	14
	Topic 1: Grouping	14
	Topic 2: Hierarchical Grouping	16
2.2	Reasoning	19
	Topic 3: Critical Thinking	19
	Topic 4: Knowledge	20
	Topic 5: Argument	21
	Topic 6: Reason	23

	Tople 0. Reason	25
	Topic 7: Objection	25
	Topic 8: Basis	27
2.3	Structuring	29
	Topic 9: Proposition	29
	Topic 10: Identifying Arguments in Prose	30
	Topic 11: Identifying Contentions	32
	Topic 12: Indicators	34
	Topic 13: Indicators – examples	36
	Topic 14: Refining Claims	38
2.4	Analyzing	44
	Topic 15: Assumption	44
	Topic 16: Rabbit Principle	46
	Topic 17: Holding Hands Principle	48
	Topic 18: Inference Objection	50
	Topic 19: Argument Pattern	53

VIII		Topic 20: Deductive Argument	55
		Topic 21: Inductive Argument	57
		Topic 22: Abductive Argument	59
2	2.5	Evaluating	61
		Topic 23: Evaluating Claims	61
		Topic 24: Evaluating Reasons	63
		Topic 25: Cognitive Bias	65
		Topic 26: Fallacy	67
:	3	Definitions	69
		Maps of the concepts 'Claim' and 'Argument'	79