## Contents

	List of Figures	page x	
	List of Tables	xii	
	List of Contributors	xiii	
	Foreword by Wolfram Schultz	xvii	
	Acknowledgments	xix	
	Introduction: Motivation and Its Relation to Learning		
	SUZANNE E. HIDI AND K. ANN RENNINGER	1	
	Part I The Self and Its Impact		
1	The Educational Benefits of Self-Related Information Proc SUZANNE E. HIDI, K. ANN RENNINGER, AND GEORG NORTH	_	
2	The Centrality of Academic Self-Concept to Motivation ar Learning	nd	
	HERBERT W. MARSH, MARJORIE SEATON, THERESA DICKE, PHILIP D. PARKER, AND MARCUS S. HORWOOD	36	
3	Self-Efficacy in Learning: Past, Present, and Future HYUN SEON AHN AND MIMI BONG	63	
4	Self-Regulation of Motivation: A Renewable Resource for Learning		
	CAROL SANSONE, DANIELLE M. GEERLING,		
	DUSTIN B. THOMAN, AND JESSI L. SMITH	87	
5	Youth Development Programs: Supporting Self-Motivatio Project-Based Learning	n in	
	REED W. LARSON, GINA MCGOVERN, AND CAROLYN ORSON	111	
	Part II Rewards, Incentives, and Choice		
6	Neuroscientific and Psychological Approaches to Incentive Commonality and Multifaceted Views	es:	
	KOU MURAYAMA	141	

7	Incentive Motivation: The Missing Piece between Learning and Behavior PATRICK ANSELME AND MIKE J. F. ROBINSON	163
8	Attention, Information-Seeking, and Active Sampling: Empirical Evidence and Applications for Learning AVANTI DEY AND JACQUELINE GOTTLIEB	183
9	Open Digital Badges and Reward Structures  DANIEL T. HICKEY AND KATERINA SCHENKE	209
10	The Promise and Peril of Choosing for Motivation and Learning	220
	ERIKA A. PATALL AND SOPHIA YANG HOOPER	238
	Part III Interest and Internal Motivation	
11	Interest Development and Learning K. ANN RENNINGER AND SUZANNE E. HIDI	265
12	Online Affinity Networks as Contexts for Connected Learning MIZUKO ITO, CRYSTLE MARTIN, MATTHEW RAFALOW. KATIE SALEN TEKINBAŞ, AMANDA WORTMAN, AND RACHEL CODY PFISTER	291
13	Multiple Points of Access for Supporting Interest in Science JOYCE M. ALEXANDER, KATHY E. JOHNSON, AND CARIN NEITZEL	312
14	Predicting Academic Effort: The Conscientiousness × Interest Compensation (CONIC) Model  ULRICH TRAUTWEIN, BENJAMIN NAGENGAST.	
	BRENT ROBERTS, AND OLIVER LÜDTKE	353
15	Reconceptualizing Intrinsic Motivation: Excellence as Goal BARRY SCHWARTZ AND AMY WRZESNIEWSKI	373
	Part IV Curiosity and Boredom	
16	Curiosity and Learning: A Neuroscientific Perspective MATTHIAS J. GRUBER, ASHVANTI VALJI, AND CHARAN RANGANATH	397
17	Curiosity: Nature, Dimensionality, and Determinants JORDAN LITMAN	418
18	The Role of Curiosity and Interest in Learning and Motivation DA-JUNG DIANE SHIN, HYUN JI LEE, GLONA LEE, AND SUNG-IL KIM	443

19	Boredom	
	THOMAS GOETZ, NATHAN C. HALL, AND MAIKE KRANNICH	465
20	The Costs and Benefits of Boredom in the Classroom JHOTISHA MUGON, JAMES DANCKERT, AND JOHN D. EASTWOOD	490
	Part V Goals and Values	
21	Motivated Memory: Integrating Cognitive and Affective Neuroscience	
	KIMBERLY S. CHIEW AND R. ALISON ADCOCK	517
22	Conceptualizing Goals in Motivation and Engagement SUSAN BOBBITT NOLEN	547
23	Achievement Goal Orientations: A Person-Oriented Approach MARKKU NIEMIVIRTA, ANTTI-TUOMAS PULKKA, ANNA TAPOLA, AND HETA TUOMINEN	566
24	Expectancy-Value Theory and Its Relevance for Student Motivation and Learning EMILY Q. ROSENZWEIG, ALLAN WIGFIELD, AND	617
	JACQUELYNNE S. ECCLES	017
25	Utility Value and Intervention Framing ELIZABETH A. CANNING AND JUDITH M. HARACKIEWICZ	645
	Part VI Methods, Measures, and Perspective	
26	Motivation and Learning: Measures and Methods MARY AINLEY AND JOHN AINLEY	665
27	Addressing the Challenge of Measuring Student Engagement JENNIFER A. FREDRICKS, TARA L. HOFKENS, AND	600
28	Measuring Motivation in Educational Settings: A Case for	689
	Pragmatic Measurement  JEFF J. KOSOVICH, CHRIS S. HULLEMAN, AND  KENNETH E. BARRON	713
29	An Integrative Perspective for Studying Motivation in Relation to Engagement and Learning LISA LINNENBRINK-GARCIA AND STEPHANIE V. WORMINGTON	739
30	Affordances and Attention: Learning and Culture DUANE F. SHELL AND TERRI FLOWERDAY	759
	Index	783