
Contents

Foreword	xi
Claire MARGOLINAS	
Introduction	xxvii
Pablo BUZNIC-BOURGEACQ	
Part 1. Didactics and Devolution: Specificities of Disciplines and Audiences	1
Chapter 1. Potential of Peer-to-Peer Research and Proof Situations in Mathematics Classes and Devolutions	3
Jean-Philippe GEORGET	
1.1. Introduction	3
1.2. Characteristics of PRP situations	6
1.3. Potential of PRP situations and management of devolution processes	7
1.4. Two examples of analysis of problems with potentials	11
1.5. Conclusion	13
1.6. Appendix: solution to the rectangle problem	14
1.7. References	14

Chapter 2. Some Comparative Analysis of Mathematics and Experimental Science	17
Faouzia KALALI	
2.1. Introduction.	17
2.2. Didactics of mathematics, didactics of science: contrasting epistemological choices	18
2.2.1. Institutional context and intellectual landscape	18
2.2.2. Two different scientific projects	18
2.3. Devolution versus appropriation	20
2.3.1. On devolution	20
2.3.2. Origin of appropriation: unifying the approaches to “scientific and technological awakening” in elementary school	21
2.4. Investigative approach, a devolution process?	22
2.4.1. Example of Camaret tides	23
2.4.2. Generalization	24
2.5. Specificity of scientific learning	25
2.6. Conclusion: what is the outcome of the redeployment of the subject?	27
2.7. References	29
Chapter 3. Double Devolution of Action in Physical Education	31
Benjamin DELATTRE	
3.1. Introduction.	31
3.2. The current state of the notion of devolution in didactic writings in PE	33
3.3. The “veiled” presence of a double devolution of action in PE didactics	38
3.4. An “adaptive” backdrop in the didactic concepts of PE.	40
3.5. An adoptive and organological perspective for the double devolution of action in physical education	42
3.6. From adaptation to adoption “by the double”; a few examples	44
3.7. Conclusion	49
3.8. References	49
Chapter 4. Information and Communication Technology (ICT) in Education: An Issue that is Still Relevant Today	53
Hervé DAGUET	
4.1. Introduction.	53
4.2. Theoretical framework, devolution and digital in schools	54
4.2.1. Some points of reference on devolution.	54

4.2.2. Digital technology and learning	54
4.2.3. Problematization, digital technology and devolution	57
4.3. Research field and methodology	58
4.3.1. The situation: the D'Col device	58
4.3.2. Survey methodology	60
4.4. Analysis of results	62
4.4.1. Mediatization and devolution within the D'Col LMS	62
4.4.2. Mediation and devolution within the D'Col system.	64
4.5. Conclusion	65
4.6. References	66
Chapter 5. Reflection on the Devolution of Knowledge in French Kindergarten Teaching: Worksheets	69
Sophie BRIQUET-DUHAZÉ	
5.1. Introduction.	69
5.2. Contextualization and issues.	69
5.3. Theoretical framework of the devolution of knowledge in kindergarten and the use of worksheets	71
5.4. Theoretical framework of devolution in French teaching	74
5.5. Analysis and discussion	75
5.6. Conclusion	78
5.7. References	78
Chapter 6. Between a Willingness to Adapt and Real Devolution, what Material Works for which Form of Learning? A Case Study in a Localized Unit for Inclusive Education (Ulis)	81
Laurence LEROYER	
6.1. Introduction.	81
6.2. Theoretical frameworks	82
6.2.1. Adaptation and learning supports	82
6.2.2. Devolution and learning supports	84
6.2.3. Devolution practices understood on the basis of the learning supports and the adaptations that they have	84
6.3. Methodology	87
6.4. Case study: Mathieu, teacher specializing in Ulis	88
6.4.1. The teacher and the pupils enrolled in the Ulis	88
6.4.2. The session presented by the teacher	89
6.4.3. Focusing on one of the learning supports of the session	92
6.5. Analysis and discussion	94
6.6. References	95

Part 2. Devolution Beyond Disciplinary Didactics	99
Chapter 7. Before “Devolution”	101
Hubert VINCENT	
7.1. Introduction.	101
7.2. Preliminary remarks.	103
7.3. Michel de Montaigne	104
7.3.1. Alternation and school forms 1 and 2	104
7.3.2. The work of examples	109
7.3.3. Curiosity and creativity	111
7.4. Alain.	112
7.4.1. Modeling learning	112
7.4.2. Devolving devices	115
7.5. Conclusion	119
7.6. References	121
Chapter 8. Devolution and Problematization Among Trainee School Teachers: What Kind of Appropriation is There?	123
Florian OUITRE	
8.1. Introduction.	123
8.2. Theoretical framework	125
8.2.1. Making the experience of learners the object of the first overall devolution in the learning process	125
8.2.2. Professional problems and problematization of professional practices/activities	126
8.2.3. A teaching approach likely to take care of these problems in order to overcome the obstacles	128
8.2.4. Problematization and devolution	130
8.2.5. Limits of a linear presentation for reporting the problematization process	134
8.3. Some results from the appropriation of this approach and these devolutions among new school teachers	137
8.3.1. Appropriation of the approach: attempts on the big loop.	137
8.3.2. Concerning small loops (SLs)	142
8.4. Conclusion and discussion	144
8.5. References	146

Chapter 9. Professional Writing as a Complex Space in Devolution	149
Bruno HUBERT	
9.1. Introduction.	149
9.2. Devolving a storytelling space–time	150
9.2.1. Developing the narrative.	151
9.2.2. From oral narrative to the devolution of writing.	153
9.3. Developing fiction writing	155
9.3.1. Becoming a character in the text	155
9.3.2. A fairy tale character to move beyond reporting.	157
9.4. Devolving the text as a space for mutual understanding	160
9.5. Storytelling as the devolution of a professional teaching space	161
9.6. Conclusion	165
9.7. References	165
Chapter 10. The Subject Area: Devolving One’s Own Trials	169
Pablo BUZNIC-BOURGEACQ	
10.1. Devolving oneself	169
10.2. Trials as a subject area	172
10.3. Devolving your own trials: the passionate subject and the good teacher	177
10.4. Teaching about trials, maintaining the passion	179
10.5. References.	182
Chapter 11. A Game to Play and a Game Played: A Devolution “Under Influences”	187
Vanessa DESVAGES-VASSELIN	
11.1. Introduction	187
11.2. Thèque: a game to be played in extracurricular activity periods	188
11.2.1. TAP: a little formalized institutional context	188
11.2.2. The game to be devolved: thèque.	189
11.3. A theoretical framework for thinking about the devolution of a game and the associated methodological approach	191
11.3.1. A game	191
11.3.2. A subject	192
11.3.3. Methodological proposals	193

11.4. Jules' influence on devolved games.	194
11.4.1. From the game to be devolved to the devolved game: gaps identified	194
11.4.2. Jules' influence on devolution	196
11.5. Conclusion: towards a theory of game devolution	198
11.6. References.	199
List of Authors	201
Index	203