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Reihe Junge  
Sportwissenschaft

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# Teachers Matter

Developing Physical Education  
by Inspecting the Key Players

**hofmann.**

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## Acknowledgements

This work would not have been possible without the support of different institutions and people, which I would like to thank in the following. First, I would like to thank my colleague, project partner and friend Alina. I cannot imagine how I would have done this without you. It was so much fun experiencing this together and seeing our professional as well as personal development. I look forward to tell all the tremendous and unforgettable stories to our kids and causing them as well as us to laugh and indulge in reminiscences. Thank you Prof. Filip Mess for accepting us both as PhD students at your chair and believing in our strengths and uniqueness as a team. You have been such a guiding agent, role model and valuable resource. Thank you for supervising my PhD thesis, providing continuous advice, and intervening whenever my perfectionism stood in my way. Third, I would like to thank Dr. Sarah Spengler. You certainly deserve the title super mentor and represent the perfect antipole to my work habits. Thank you for all your scientific but also personal advice, which has affected my professional work and personal life adversely. Further, I would like to thank my other colleagues in our workgroup at the *Professorship of Didactics in Sport and Health* at TUM. Your ideas, feedback as well as openness for my motivating talks and actions have been incredibly valuable.

Tying in with this, I would like to especially thank my partner, my family and friends. You on the one hand have had a formative influence on my development and made me the person I am today. Without you, I would certainly not have taken up this challenge. On the other hand, your patience, tolerance and understanding are beyond words. You deserve the biggest slice of the celebration cake.

Thank you also to anybody else I worked with and who believed in my competence or appeased my thirst for action. Thank you to my Irish colleagues and friends who created a home away from home, widened my horizons and represent an integral component of my life. Thank you to the fantastic staff at the *Faculty of Sport and Health Sciences* at University of Jyväskylä who made an unforgettable and defining teaching stay possible and by this allowed me to experience another educational culture.

Finally, as this work was carried out in cooperation with DSLV, I would like to thank all supporters on a national as well as federal level. This research further benefited from a grant of Universität Bayern e.V., who funded a three-year graduate PhD scholarship. Thank you to PROFiL, ProLehre and Sprachraum for fantastic and enriching didactical training opportunities as well tremendous new ideas. You all and many other have contributed essentially to my development as teacher and researcher. Thank you.

## Summary

Physical education in schools is the only physical activity offering setting that reaches all school-aged children and by this receives special importance in conveying the joy and benefits of physical activity. Physical education is the only school subject involving bodily movement and by this benefits the healthy development of the whole person. Only with the aid of physical education, holistic education can be achieved. Holistic education in the physical education context involves two key players: physical education teachers as educators and students as the ones to be educated. Concretizing the educational process, physical education's curricula ascribe the subject a dual mandate: *education to sport* and *education through sport*. Students should experience the joy of movement, acquire relevant physical skills, find their meaning in sport, and within this ideally develop intrinsic motivation for physical activity in physical education and beyond. Further, physical education's contextual and contentual peculiarities promote learners' personal as well as social development through physical activity.

In this process, physical education teachers receive an important role by making sure to align teaching offerings to learners' needs in order to support the aspired development process. Physical education teachers' effectiveness is thereby often measured by the teaching outcome student achievement and approached by teachers' professional competence. It is further closely linked to their own occupational well-being and by this related to society's health. Effective physical education teachers are neither born nor made but they may develop. This development process requires knowledge about personal characteristics determining teaching behavior but also knowledge about students' requirements in order to adapt teaching and accompanied development processes. The teaching and learning process thereby has been shown to be context-specific and dependent on teachers as well as learners interacting within a given context under accompanied conditions.

The dissertation thesis has taken on this task by analyzing physical education teachers' as well as students' personal characteristics in the physical education context. In its theoretical part it has summarized and analyzed studies considering the physical education teachers' or students' personality in the physical education context in order to detect applied personality understandings but also research questions and related outcomes within existing studies. In its subsequent and linked empirical part, the thesis has analyzed data of the self-executed *SuM PLuS* study, covering 1,163 physical education teachers of all career stages as well as their students of class seven to ten ( $N = 1,740$ ) across Germany.

The analyses relevant for the dissertation thesis' aim of describing teachers (main aim) and students (subordinate aim) in the physical education context by an aggregated examination of their personal characteristics comprise one part of *SuM PLuS*' encompassing examination. The study examined further person-related factors on the teacher and the student side, which supplement the data on personal characteristics. Within this, the study also links teachers and students by examining teachers' *provided basic needs support* and students' *perceived basic needs satisfaction*. In total, the study allows describing physical education's key players by various factors, which in turn implies impact on educational as well as PE research and consequently affects the subject's development. The thesis contributes to *SuM PLuS*' aim of analyzing person-related factors on the teacher as well as the student side determining student motivation in physical education by its analyses of personal characteristics. Further aspects of the study *SuM PLuS* and accompanied research possibilities will be explained in detail in the thesis' outlook.

The developed descriptions of different groups of physical education teachers and students represent new knowledge in educational research in general as well as research on teaching physical education in particular. Results and accompanied implications are discussed in relation to different stages of physical education teachers' career and therefore transferred to physical education teacher education, teaching in schools as well as teacher professional training. Involving all stages and initiating cooperation between stakeholders increases the results' meaningfulness and impact.

More precisely, on the teacher side, physical education teachers profit from knowing their personal characteristics by deliberately making use of them when teaching or regarding vocation-specific motivational characteristics develop within the possible range in e.g., teacher education or professional training. On the student side, the thesis offers valuable anchors, which influence physical education teachers' lesson planning and design in order to adequately address and by this motivate their students.

Overall, the thesis gains sensitivity for teachers' and students' personal characteristics – among physical education teachers but also teacher educators –, which should be continuously reflected on and deliberately applied in the educational process. The extend as well as profound and comprehensive character of the overarching study *SuM PLuS* further highlight the thesis' possibility to raise awareness for physical education's abovementioned outstanding contribution to society, e.g., considering health. It offers valuable anchors for stakeholders in the educational process as well

as future researchers in the educational context in general or in the physical education context in particular. A corresponding dissertation thesis focuses mainly on the students and by this represents a valuable counterpart to this thesis.