

Technology Teachers as Researchers

Philosophical and Empirical Technology Education Studies in the Swedish TUFF Research School

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This book presents the scientific output of the TUFF research school in Sweden. In this school, a group of active teachers worked together on a series of educational research studies. All of those studies were related to the teaching about technology and engineering. The research program consisted of studies at various angles of view: a philosophical view, a national view, and a classroom practice view. The book is a showcase of how a well-conducted research program for teachers can lead to good contributions to technology education research. A selection of topics: the nature of technological knowledge, mental images of engineers and engineering, the process of choosing for a study in technology, teachers' beliefs about technology education and assessment. These topics are directly related to major issues in the international technology education research agenda. The studies presented here were the basis of the authors' Ph.D. theses. The teachers' chapters are preceded by a description of ideas behind the TUFF research school and the way it was realized.

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TABLE OF CONTENTS

Preface

1. TUFF and the Value of Teachers as Researchers

Inga-Britt Skogh & Marc J. de Vries

Section I: Philosophy of Technology

2. What Is Technological Knowledge?

Sven Ove Hansson

3. Explanation and Prediction in Technology Education

Per Norström

4. Pictorial Realism in Geometric Images and

Technical Design

Anna Stenkvist

Section II: Technology Education Research

5. Students' Encounter with Technology Education: Testimonies

from Compulsory School Technology Classrooms

Inga-Britt Skogh

6. The Noble Art of Problem Solving: A Critical View on a

Swedish National Test

Edvard Nordlander & Maria Cortas Norlander

7. To Use or Not to Use a Teacher Support Programme: A

Study of What Characterises Swedish Schools that Apply

the Inquiry-based Teacher Support Programme, NTA

Joakim Svärd

8. Challenge Traditional Structures: Ways of Building Gender
Equality in Technology Education

Guuilla Rooke

Section III: Engineering Education

9. Why Choose a Regional Engineering Education
Programme?

Håkan Ahlblom

10. The Successful Student: A Study Examining How
Young Swedish People Represent Engineering

Students Discursively

Patricia Kingdom

11. What You Need to Learn: Engineers' and Industrial Designers'
Views on Knowledge and Skills in Product Development

Helena Isaksson Persson

Section IV: Teachers' Perspective

12. Looking for a Glimpse in the Eye: A Descriptive Study
of Teachers' Work with Assessment in Technology
Education

Eva Hartell

13. Teachers' Beliefs Regarding Programming Education

Lennart Rolandsson

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