

Source: K. Watson et al. (eds) (1996)
Quality in Education. (Vol 4) (London: Cassell).

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Between Promise and Possibility: But Will It Really Work?

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Introduction

Liv Mjelde is well known in the field of vocational education for her defence of applied pedagogies such as apprenticeship and other workshop learning modes. In a number of important articles (Mjelde 1984, 1987, 1994) and in a full-length book (Mjelde, 1993) she has contested the pervasiveness and hegemonic quality of what she refers to as the 'academic pedagogic tradition' which became entrenched in Western educational systems with the introduction of comprehensive schooling. Mjelde has argued – and has consistently built on empirical bases, often with reference to the Norwegian and Scandinavian contexts – that that form of learning which involves moving from the practical to the abstract holds great promise as a pedagogic alternative to other, more common, forms of representation of knowledge. Accepting the Marxian critique regarding the destructive nature of the division of labour, Mjelde has argued for a 'poly-technic' education where the three elements of workshop learning, vocational/technical training and general education come together in order to facilitate the development of an all-rounded, fully developed human being.

We can distinguish various elements in this discourse of hope that Mjelde weaves. In the first instance, workshop learning, or learning by doing, resonates with the cognitive and cultural needs and styles of that group of students who are most often disillusioned by traditional schooling, namely the working class. While the academic learning tradition excludes these pupils and

proceeds to label them as 'unmotivated' or 'non-achieving', the learning by doing approach builds on the interests and experiences of the same students and succeeds in reigniting curiosity and the will to learn. This, in turn, holds out other promises which Mjelde articulates with reference to a variety of educational discourses. We can distinguish the discourse of utilitarianism or economic efficiency, since the presumed ability of workshop learning to reintegrate potential drop-outs into the education and training enterprise has important consequences for the development of a country's human resources. But there is another strand of educational discourse which emerges even more powerfully in Mjelde's writing, one linked much more closely to the emancipatory dynamic in left-wing, progressive social thought. For Mjelde believes that a true education does not distinguish between hand and mind, and her conception of vocational education as an alternative pedagogic mode strives to bridge the gap that is so endemic, and so functional, to the division of labour in capitalist economies.

One could point out that Mjelde's position is not particularly novel. Indeed, various governments, from the right and the left political spectrum, have, from the nineteenth century onwards, looked towards vocational forms of education in order to meet the challenges identified by Mjelde and, therefore, to satisfy economic, educational and ideological goals. Mjelde herself conjures up the ghosts of Krupskaya, Dewey, Freinet and Kerschensteiner in order to draw connections between her project and theirs. But I would argue that what Mjelde is making a

case for has increasing relevance in a world where there is widespread consensus that general education is the best form of vocational education (see Sultana, 1992), and where there is, therefore, a tendency for the academic pedagogic tradition to prevail. Mjelde's position also serves to resurrect normative issues – such as those dealing with equity and social justice – in a sphere of educational discourse which has often been constructed in 'purely' technocratic terms. Her work therefore has the virtue of connecting with current European and worldwide preoccupations regarding vocational training and retraining, while at the same time reconstructing the agenda in more than economic terms. In other words, Mjelde's work carries that most enticing promise of making morality pragmatic.

Even the industrial agenda, so often opposed to the democratic imperative by educational writers ranging from Dewey (1915) to Carnoy and Levin (1985), is reconciled with progressive thought given the requirements of a post-Fordist economy for an educated, skilled and flexible workforce where the many faceted human being has an opportunity to develop to the full. Indeed, a post-Fordist economy represents a challenge to traditional pedagogies and, according to Mjelde, is a justification for her strongest claim: that the workshop model becomes the foundation for all learning. Mjelde is here in tune with other educational theorists, such as Brown and Lauder (1991) and Young (1993), who see post-Fordism as an economic context whose implications for educational systems include the transcendence of the traditional dichotomy between education and work, between academic and vocational pedagogic traditions. Her distinctive position lies in the fact that she locates this resolution of opposing traditions in the camp of vocational education.

But will it work?

There are very few authors today arguing in the same vein as Mjelde. One notable exception is Claudio Moura de Castro who, in a number of articles (1987, 1988), contests the widespread persuasion

shared by most educational scholars that Foster's (1968) arguments about the 'vocational school fallacy' are, by and large, correct. Like Mjelde, Castro not only defends vocational education in terms of the contribution it makes to economic development, but also speaks of the 'spiritual experience' that workshop pedagogy provides, in terms of the creative acts students are involved in, as well as the transformed social and pedagogic relations it inspires. For in the workshop learning mode, it becomes difficult to distinguish between teacher and taught, and values such as co-operation and collegiality have a central place.

My debate with Mjelde in this chapter is primarily marked by a general sympathy for the kinds of arguments she makes. I share her ideological and normative positions and, although belonging to a very different cultural and historical context, have, in my studies of vocational schools in Malta, addressed the same issues she raises (Sultana, 1992, 1994a, 1995). As a member of a ministerial team set up to reform trade schools, I have struggled with the pedagogic and political questions raised by Mjelde, and while finding her argument appealing, could not always quite see how the promises that vocational education holds out could, in fact, be fulfilled. Reflecting on these difficulties, I will construct my article on a Popperian methodology, namely by attempting to 'falsify' arguments which are intrinsically attractive to me, in this way trying to transcend some of the dilemmas that I constantly have to face in dreaming more equitable and meaningful educational futures for others. I will construct my arguments primarily on evidence reported in the field of comparative education, and will specifically refer to the effectiveness with which vocational education fulfils the economic, educational and ideological promises identified by Mjelde.

The economic promise

Starting with the economic goal first, we can here identify a number of assumptions underlying what can be broadly referred to as 'human capital theory' (Sobel, 1978; Violas, 1981), namely that:

- 1 Schools are well-placed to provide vocational education.
- 2 Schools can provide skills which industry will require in the future.
- 3 Students attending vocational schools eventually choose the occupation they have been trained for.
- 4 There will be positive rates of return for vocational students.

There seems to be little evidence in comparative education literature that these assumptions hold true when schemes based upon them are implemented. Rather, Grubb's (1978, p. 85) hypothesis that 'schools can effectively teach only general skills, and firms can effectively teach only specific skills' seems to be correct, and that therefore the historical ineffectiveness of vocational education can be at least partly explained by the fact that 'it has attempted to do what schools do worst'.

Vocational schools and workshop learning generally prove to be too costly to maintain and to upgrade in line with advances in technology (Lauglo, 1987; Psacharopoulos, 1987). In any case, post-Fordism, where this exists, requires rather more those skills associated with general education, i.e. flexibility, creativity, and interdisciplinarity (Young, 1993), and not apprenticeship-type programmes which were meaningful within the context of an older, more industrial, low-skilled economy. Specialized technical teachers are poached by industry, which offers more competitive salaries, with the result being that the least competent teachers remain in schools (Munbodh, 1987). Schools find it difficult to respond quickly and effectively to the changing world of work (Bowman, 1988), or even to create the direct experience of production (Grubb, 1985). A large number of studies carried out in developed and developing countries suggests that very few vocational students, generally less than 30 per cent of the total, end up in a training-related job after finishing their schooling (Lewis and Lewis, 1985; Bishop, 1986; Sultana, 1992, 1994a). Neither is there much evidence to suggest that there are positive rates of return for vocational students in terms of finding employment quickly, or of enjoying better wages and conditions of work when

compared to colleagues who remained in the general school stream and exposed to what Mjelde refers to as the academic pedagogic tradition.

At best, one can conclude from the conflicting evidence that exists that training in certain occupational areas gives more benefits to some students than to others (Mertens, 1983), and that vocational education can make a small positive difference for some of the people some of the time (Claus, 1990). The link between vocational education and effective economies is generally so weak that even though it behoves employers to export training costs to the State, they are more keen to ask for students with a general education background than a narrowly skilled one (Oxenham, 1987).

The educational promise

I very much suspect, from my knowledge of Mjelde's work, that she would not be terribly put out if she found it difficult to maintain her defence of vocational education in terms of its contribution to a nation's economy. Nor would she persist, given her political persuasions, in constructing her defence of vocationalism by referring to post-Fordism, which depends largely on the export from the first to the third and fourth worlds of unrewarding and dehumanizing work (Sultana, 1994b). For it is in the promise of workshop learning to remotivate students to learn that really excites Mjelde, an enthusiasm which traces its lineage back to some of the most enlightened educational theorists this century has produced, be these in the field of philosophy (John Dewey), psychology (Lev Vygotsky), or sociology (Pierre Bourdieu). But does vocational schooling attract such large numbers of students as Mjelde assumes it naturally must? Is it so consonant with students' cognitive and cultural styles that rates of retention and of course completion are high? And equally important, is the educational experience offered in vocational schools equal in quality, though different to, that available in general schools?

Again, comparative literature on vocational schooling responds rather negatively to such questions. The attraction of vocational schooling is particularly low in those countries, such as Britain and its ex-colonies, where there is a culture of disdain for all things manual. Most authors explain the unattractiveness of vocational tracks and schools by referring to important cultural and economic factors prevailing in a colonized society. A common feature of colonial policy was to produce a group of 'comprador élites' in the country dominated, drawing on locals holding administrative and supervisory positions. These would act as intermediaries between the colonial powers and the colonized, and it was vital that those holding these positions had a sense of loyalty to the dominant group. One way of ensuring that loyalty was to appeal to a sense of vested interest – and this was done by providing comparatively high rewards for the white-collar jobs in the sector of the economy dominated by expatriates, which included the public service. These rewards included not only higher income levels than generally available outside that economic sector, but also more status, better conditions of work and security of employment. As Bacchus (1987, pp. 39–40) argues,

This helped to fuel the demand for the type of education which would qualify individuals to enter into the supervisory positions that gradually became open to them. The education that was most helpful for this purpose was of an academic rather than a technical or 'practical' nature. This marked the beginning of the differential rate of return in favour of academic education.

In addition, colonial economic activity has led, in many cases, to the development of a dual sector for employment opportunities, with the modern sector led by the dominant powers requiring a higher academic education than the traditional sector. This dualistic structure has tended to be sustained after the independence of many developing countries, with those working in traditional sectors continuing to earn less. The latter are generally unable to afford the services of the carpenters and other skilled craftsmen trained in the new technical schools and institutes, and turn instead to artisans taught in the traditional manner, on the

shop floor, with skills passed on from father to son. In other words, those without certified and formal training are more in demand (Bacchus, 1987).

Finally, most of the industries set up in previously colonized countries were of the import-substitutive type, with the assembling, packing or processing of imported material. Such 'screw-driver technology industries', can often operate without requiring many individuals with formal technical and vocational skills beyond those which can be acquired on the job.

Comparative education literature, notably the studies carried out by Benavot (1983), have also shown that there are cultural/ideological reasons which have, since the early 1970s, led to a worldwide decline in the proportion of full-time secondary students following vocational programmes. With the exception of Eastern European countries, the proportion of vocational enrollees was cut in half, from almost one-quarter to one-eighth. This pattern held true for developing as well as developed countries, largely because educational systems are not only isolated units responding to the needs of the nation to which they belong. Rather, states belong to a world system which is itself characterized by a common belief in such ideologies as investment in education for all, equality of opportunity, and the celebration of individualism. A state wishing to win 'membership' and acceptance in the modern world system will attempt to adopt these practices. Benavot argues that vocationalism at the secondary school level ran counter to ascendant ideologies because it differentiated between students, led some to make important choices too early on in their lives, and provided a 'narrower' educational experience when compared to the liberal curriculum offered in the general track.

The stigma regarding manual work might not, of course, be as widespread in Scandinavian countries, since cultural, political and economic processes vary from one nation to another. But it is for these very same reasons that Mjelde must be cautious in making the kinds of strong claims for vocational education that she proposes. Workshop learning might, indeed, 'objectively' resonate with the needs of specific groups of students, but this is highly dependent on the particular contexts in

which that educational practice is developed. Indeed, most of the research evidence that is available points out that motivating children to be enthusiastic about the new schools and the supposedly more relevant curriculum turns out to be just as hard as motivating them to learn traditional subjects. Claus (1990), reviewing a large number of studies on this question, concludes that at best, there is very limited evidence that secondary school vocational education reduces drop-outs.

The main reason for this seems to be the fact that vocational tracks and schools have tended to be used 'not simply for the transmission of educational knowledge, but for the purposes of social control of forms of deviancy, and that usually occurs with "less able" children whom the school has given up educating' (Bernstein, 1971, p. 58). Such pupils are first of all constructed as 'different', and then channelled into separate streams and/or schools, often with the express intention of providing remedial and more 'relevant' educational programmes. Sociological research in the interactionist tradition has shown, however, that the process of intra- and inter-school streaming transmits messages to students which contradict and jeopardize the official intentions of educational reformers. The creation of separate educational spaces is often appropriated by mainstream teachers, who use them as convenient 'dumping' sites for students they find difficult to control. Thus, while the official discourse around vocational schools highlights their utility to the economy, their real value to the educational system is their function as holding pens for the unmotivated and resistant students (Sultana, 1989). Students are of course aware of this process, and while generally unable to fully articulate a critique of the system that has abandoned them – often by providing them with the worst resources and the most tired teachers – they do in fact develop a counter-school culture which leads them to own the school's label of themselves as 'deficient', and hence to give up on investment in schooling (Hargreaves, 1967). Truancy and absenteeism are only two of the more overt forms of resistant strategies in the repertoire of behaviour that characterize

counter-school cultures in schools the world over.

The ideological promise

The separate school syndrome, where vocational schools tend to attract students from working-class backgrounds, has more than just educational repercussions. It also frustrates the ideological promise of valuing the hand and increasing the esteem of manual work. The literature available also convincingly shows that the provision of a separate space for a homogeneous clientele characterized by negative school experiences which reinforce a counter-school, working-class self-image, constructs vocational education as having lower status. In other words, the context which frames 'separate schooling' creates a sense of second-class citizenship among both teachers and taught which militates against effective learning. Indeed, vocational education, whether as a separate track at a secondary school level, or as a school separate from the 'mainstream', functions to identify a certain type of student and to stamp the student with a certain status and identity. In this sense, the concept of 'vocational education' is more like that of 'advanced placement'. It communicates a certain status and projects a certain future. And it does this not only to the school authorities and to future employers, but to the students themselves (Venables, 1967; Oakes, 1986). By such relegation to a different space, 'schools send a message that some children are gifted, bright and academic and that others are average, slow, or vocational. Few students and teachers can defy those expectations' (Oakes, 1986, pp. 76–7). Students receive the message that they are somehow 'different' and academically 'inferior', and thus the concept of self-fulfilling prophecy works, in the case of vocational schools and tracks, at the institutional level.

It is not only the hidden curriculum of the vocational school which socializes students into subordinate places. Mjelde has stressed in her work

the importance of linking theory with practice, and she specifically makes a case against vocationalism as a way of producing 'hands', i.e. persons who are skilled but not intellectually equipped to understand and decode the world they live in. The critical educational tradition to which both Mjelde and myself belong has highlighted the importance of enabling and empowering students to assume a greater autonomy and control over their own lives. This process of 'conscientization' (Freire, 1972) leads students to understand – and work towards – their best interests in a framework where personal development promotes social equality and justice (Bowles and Gintis, 1988).

There are, however, a large number of studies which have analysed the ideological representations that are made to students which purport to explain and define one's relationship to the sphere of production. These messages are about that site where power relations in their economic form – commonly referred to as class relations – are played out, and where other power relationships based on gender and race as well as age come together to heavily influence a person's experience of life. The data produced by such studies point to the overwhelming conclusion that the principles, ideas and categories legitimated and distributed by and within vocational schools represent particular visions of economic, racial and sexual realities and particular principles of social justice. In other words, the 'school-to-work' curriculum portrays the world of work in a particular way, and advises students about the way they should act in that world, with teachers involved in teaching *for* rather than *about* work (Dwyer *et al.* 1984; Shilling, 1989; Sultana, 1990). Mjelde herself has identified the same constraints in her account of apprenticeship programmes in Norway, where students receive little if any of the conscientizing education she promotes. Indeed, teachers in vocational tracks and schools are known to reproduce the work relations and expectations of the shop floor, and frequently refer to the realities of work in order to have students co-operate by attending regularly, being punctual, neat and tidy (Claus, 1990).

Mjelde is of course aware of these issues, but seems to believe that such problems can be over-

come. While I accept that workshop learning presents excellent opportunities for transformative teachers to help students critically confront the world of production, I am sceptical as to the likelihood of this happening, especially in a context where capitalist ideology is triumphant. Various countries 'in transition' to one form or other of socialism have been inspired by Marx and his notion of polytechnic education, and set about placing a considerable emphasis on bridging the gap between mental and manual work. Some, such as Cuba, Mozambique and Tanzania, introduced a manual component at both the primary and the secondary school level. The purpose of this was largely ideological: 'Since the traditional separation between the working class and the bourgeoisie in conditioned capitalist societies is between manual and mental work, the incorporation of the collectivised individual into the new people-nation requires breaking down these previous classifications' (Carnoy, 1990, pp. 72–3). The action within the school to remove traditional barriers and practices reflected economic policies towards an equalization of incomes and life-chances. While in capitalist societies academic education is distinct from vocational education 'as if it served a different purpose rather than simply supplying different kinds of knowledge and access to social/material status' to different youths from different social class backgrounds, transition societies have defined all education as vocational, 'and the state attempts to minimize material and status differences among vocations' (Carnoy, 1990, p. 90).

A review of the attempts to introduce 'polytechnic education' in the hope that this would change students' attitudes towards manual labour shows, however, that most of these failed (Psacharopoulos, 1987). Despite the reduction of ideological and material differences among occupations and types of schooling, most people realize that the best opportunities are still available for those who achieve highly in the academic, formal and traditional school system. Thus, the best vocational education in transition societies 'continues to be academic education, even

though those students who are interested in more manual occupations do not pay nearly as high a material and status price for such tastes or talent as in conditioned capitalist societies' (Carnoy, 1990, p. 90). If such ideological experiments failed even when schools were buttressed by a whole project at the level of the economics, politics and culture, how can Mjelde expect to be successful when these same levels, in the context of entrenched capitalism, are in direct opposition to what she is proposing?

Conclusion

The evidence and arguments presented in this chapter open up the debate about vocational education and workshop pedagogy initiated by Mjelde. There is no doubt, to my mind, that interactive learning modes are more likely to lead to a quality education that is effective in motivating reluctant students of all ages. However, we still know very little about the processes of the integration of knowledge to be able to sustain the kinds of strong claims that Mjelde makes for vocational education, whose qualities she sees as sufficient and necessary for the development of a foundation for all forms of learning. The arguments presented above serve, I believe, to extend the debate further, and to examine critically the promises that alternative pedagogies offer to all those keen to embark on reforming education to make it in tune not only with the contemporary context of learning, but of the economy as well.

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