Red dirt thinking on educational disadvantage

Abstract for ISFIRE paper

The discourse of remote education is often characterised by a rhetoric of disadvantage. This is reflected in statistics that on the surface seem unambiguous in their demonstration of poor outcomes for remote Aboriginal and Torres Strait Islander students. A range of data support this view, including National Action Plan for Literacy and Numeracy (NAPLAN) achievement data, school attendance data, Australian Bureau of Statistics Census data and other compilations such as the Productivity Commission's biennial *Overcoming Disadvantage* Report. These data, briefly summarised in this paper, paint a bleak picture of the state of education in remote Australia and are at least in part responsible for a number of government initiatives (state, territory and Commonwealth) designed to 'close the gap'.

However, for all the rhetoric about disadvantage and the emphasis in strategic policy terms about activities designed to 'close the gap', the results of the numerous programs seem to suggest that the progress, as measured in the data, is too slow to make any significant difference to the apparent disparity between remote Aboriginal and Torres Strait Islander schools and those in the broader community. We are left with a discourse that is replete with illustrations of poor outcomes and failures and does little to acknowledge the richness, diversity and achievement of those living in remote Australia.

This paper critiques the idea of 'disadvantage' and 'advantage' as it is constructed in policy and consequently reported in data. Its purpose is to propose alternative ways of thinking about remote educational disadvantage, based on the early observations of a five year Cooperative Research Centre for Remote Economic Participation project. It asks, how might relative advantage be defined if the ontologies, axiologies, epistemologies and cosmologies of remote Aboriginal and Torres Strait Islander families were more fully taken into account in the education system's discourse within/of remote schooling. Based on what we have termed 'red dirt thinking' it goes on to propose alternative measures of success that could be applied in remote contexts where ways of knowing, being, doing, believing and valuing often differ considerably from what the educational system imposes on it.

Red dirt thinking on educational disadvantage

Introduction

Australia, like many other industrialised countries, is concerned about maintaining its place in the world. Its economic development is underpinned by attempts to build a 'world-class' education system that produces results among the best in the world (Australian Curriculum Assessment and Reporting Authority, 2012). There have recently been concerns that Australia's standing among developed nations is slipping and that outcomes represented in standardised tests, are not keeping pace, particularly with emerging economies in Asia (Jensen, 2012). One reason for this slippage is the relatively 'low performance' (Thomson, Bortoli, Marina Nicholas, Kylie Hillman, & Buckley, 2011, p. 299) and 'poor results' (Johns, 2006, p. 9) from Aboriginal and Torres Strait Islander students, and more particularly those from remote geographical locations across the nation.

While there is much discussion in Australia about the appropriateness of educational tests such as *National Action Plan for Literacy and Numeracy* (NAPAN) and other measures that are used to indicate educational success and failure, one cannot help but be shocked by the apparent difference in the measures of success between non-Indigenous Australians and others. On the surface, it would seem that the word 'disadvantage' properly describes what appears in the comparative statistics. Indeed this word is used both to describe the disparity between indicators of success and to describe the consequent policy response—'overcoming disadvantage'. The disparity, sometimes referred to as 'the gap' needs to be closed in order to overcome the disadvantage.

The discourse of disadvantage is apparently based on the empirical evidence. That is, regular data collections such as school-based tests, Census data, measures of progress and an array of other measures, confirm that on a range of measures Aboriginal and Torres Strait Islander students are failing. Further, 'they' fail more in very remote contexts than they do in urban or regional contexts. What is more, on some measures the 'gap' is widening, despite the effort put into closing it. While the discourse is not unique to the remote context (Vass, 2012), it is accentuated in remote Australia.

The education system in Australia is complex. It contains an array of actors (state, federal, independent, community-based) and elements which by and large work together to support a set of prescribed outcomes. Increasingly, the system is becoming nationalised, with national approaches to testing, professional standards for teachers and curriculum. Seldom is the system itself interrogated or tested to see whether it works. It is a given. But what if the education system was itself flawed in its response to remote Aboriginal and Torres Strait Islander students and their families (M. Ford, 2012) ? What if the desirable outcomes of education in remote Australia—particularly in the remote communities where Aboriginal and Torres Strait Islander people live—were different than those that are desirable elsewhere? What if the underpinning assumptions about curriculum, pedagogy and professional standards were somehow wrong?

This paper is prompted by research being conducted by the Cooperative Research Centre for Remote Economic Participation in its Remote Education Systems project. The authors are in the early stages of data collection, working across a number of sites in remote parts of South Australia, Western Australia and the Northern Territory. The focus of the research is on how to improve educational outcomes for remote Aboriginal and Torres Strait Islander people. It is within this context that we have been confronted by a prevailing discourse that on the one hand provides a long list of problems and issues framed around the deficits and disadvantages associated with remote education, and on the other, is short on solutions.

Ultimately, the purpose of the paper is to provide a frame of reference that is based outside the education system. The intent is to provide a theoretical and philosophical understanding of why the education system promotes particular measures of success and advantage. This will help the reader to

understand why the discourse of disadvantage as it relates to remote Aboriginal and Torres Strait Islanders, prevails. It will hopefully also prompt an examination of what a new discourse that promotes advantage for those living in remote communities of Australia, might sound like.

The discourse of remote Aboriginal and Torres Strait Islander educational disadvantage

One of the predominant themes that pervades much of the literature on remote education is one about Aboriginal and Torres Strait Islander 'disadvantage'. The intent of the word is perhaps to convey a sense of the 'disparity' (Bath, 2011) between Aboriginal and Torres Strait Islander and non-Indigenous people on a range of indicators (see for example Steering Committee for the Review of Government Service Provision, 2011a). It has been defined specifically as 'The difference (or gap) in outcomes for Indigenous Australians when compared with non-Indigenous Australians' (Steering Committee for the Review of Government Service Provision, 2012, p. xiv). The concept then extends to 'closing the gap' (Council of Australian Governments, 2009) in a general sense and in a more specific educational context (What Works: The Work Program, 2012).

There can and should be no denial of the data and their practical implications that are behind these labels, but there are problems with the pervasive rhetoric of disadvantage. *First* there is a real risk that being Aboriginal or Torres Strait Islander *is* the disadvantage, in effect 'cultural dysfunction' (Cowlishaw, 2012, p. 412). *Second*, the deficit discourse is most frequently based on non-Indigenous understandings of advantage, and developing a sense of the 'Aboriginal problem' (Gorringe, 2011). *Third*, the racialised nature of disadvantage may lead to a promulgation of responses that lead to 'exceptionalism' of Aboriginal and Torres Strait Islander people on the basis of race (Langton, 2012)—that is, an exceptionalist view that comes with race categorisations segregates and therefore discriminates against Aboriginal and Torres Strait Islander peoples. *Fourth*, the disadvantage discourse may idealise the interests of the privileged, reinforcing a hegemony that in turn reinforces existing power dynamics in society and results in 'self-fulfilling prophecies' of the disadvantaged (Orlowski, 2011, p. 43).

The data used to support the discourse

We have chosen to present three of the many data sources that are used to support the discourse of disadvantage. There are of course many more data sets—qualitative and quantitative—that would point to similar conclusions.

Overcoming disadvantage

The *Overcoming Indigenous Disadvantage Report* (Steering Committee for the Review of Government Service Provision, 2011a) points to a number of key indicators that represent the 'gap'. These are:

- Lower school attendance and enrolment rates;
- Poorer teacher quality (though no data are offered on this one);
- A lack of Indigenous Cultural Studies in school curricula (again no data to support this);
- Low levels of Year 9 attainment;
- Low levels of Year 10 attainment; and
- Difficulties in the transition from school to work.

The *Overcoming Indigenous Disadvantage Report*, while not singularly focused on remote disadvantage, highlights the larger gap for remote Aboriginal and Torres Strait Islander peoples. Further, it makes links from education to other areas of disadvantage: health, employment, early childhood development, and the home environment. The Report paints what could be described as a very sad picture of the Aboriginal and Torres Strait Islander population. A picture that on the whole (with the notable exceptions of mortality rates, home ownership, post-secondary outcomes,

employment and income) does not appear to be getting much better. Again, the data should not be dismissed. It does have utility. Table 1, below presents data from the Appendices of the report in relation to post-school qualifications. Here we see a gap of 24.2 percentage points in 2002 and 27.1 percentage points in 2008. The gap has widened.

Table 1. Changes in proportion of 20-64 year olds with non-school qualifications at Certificate III or above

	Proportion of 20-64 year olds with non-school qualifications at Certificate III or higher	
Remote*	2002	2008
Aboriginal and Torres Strait Islander	14.4%	18.4%
Non-Indigenous	38.6%	45.5%

* does not include very remote as they were not shown for non-Indigenous population
Source: (Steering Committee for the Review of Government Service Provision, 2011b, Table 4A.7.4)

NAPLAN data

The relative disparity between Aboriginal and Torres Strait Islander students and non-Indigenous students is demonstrated by the following excerpt from the 2011 National Report on NAPLAN (Figure 1). The excerpt from the Northern Territory shows that while for the non-Indigenous student population the Year 3 persuasive writing results are fairly consistent across geolocations (from provincial to very remote), there is a sharp decline in the results for Aboriginal and Torres Strait Islander students. The difference in scores increases from 63.8 points at the provincial level through to 168.1 points at the very remote level.

Figure 1. Excerpts from the 2011 National Report on NAPLAN, Year 3 Persuasive Writing, by Geolocation, State and Territory

Aboriginal and Torres Strait Islander				Non-Indigenous			
NT	Metro	-		NT	Metro	-	
	Provincial	329.9			Provincial	393.7	
	Remote	289.7			Remote	395.4	
	Very Remote	215.2			Very Remote	383.3	

(Australian Curriculum Assessment and Reporting Authority, 2011, pp. 18-19)

A range of other data sources could be drawn on (such as ABS Census and survey data) to present a similar picture of disparity and disadvantage.

Measuring Australia's Progress

The recently released *Measures of Australia's Progress (MAP)* consultation paper (ABS, 2012a) acknowledges the significance of the rights of Indigenous peoples globally and the importance of taking these into account at a national level when considering Australians' aspirations. It also acknowledges issues of reconciliation, issues of disparity in terms of opportunity, the importance of equity and culture. It makes no attempt to distinguish Aboriginal and Torres Strait Islander aspirations from those of other Australians, which could be taken to mean that they are homogenous. However, it does attempt to identify issues of concern for Aboriginal and Torres Strait Islander peoples under thematic headings. The progress framework itself recognises diversity without following the pattern of other indicator frameworks that appear to focus on 'gaps' and disparities. Nevertheless, the notion of 'progress' and aspiration as they are presented in the consultation and the existing headline indicators (ABS, 2012b), continue to support the discourse by using lenses that assume uniformity and homogeneity of aspirations and outcomes across the nation.

There should be no doubt that Aboriginal and Torres Strait Islander peoples are in many ways different from other population groups and peoples in Australia. There is no single indicator that captures the breadth of aspirations of the nation as a whole, despite the attempts of the MAP process to do so. Difference and diversity can be celebrated. However, seldom is the richness and diversity of life in remote communities discussed in the media, let alone the literature. Nor are the learning journeys of

many remote Aboriginal and Torres Strait Islanders often celebrated. It is however heartening to see an alternative rhetoric emerging from Aboriginal and Torres Strait Islander authors, who allow those of us who are non-Indigenous to take a step back from our otherwise uncontested philosophical positions and reflect on difference in terms of epistemologies, axiologies, ontologies and cosmologies (see for example Arbon, 2008; P. L. Ford, 2010; Nakata, 2008) rather than deficits.

Assumptions behind the discourse and data

Why is it then that the deficit discourse dominates the landscape of policies, polities and practices? What is behind the rhetoric associated with the discourse? It is argued here that the basis of the rhetoric derives from a set of assumptions about the theoretical and philosophical foundations of education—and acceptance or rejection of philosophical positions.

The discourse of education and individualism

Pring (2010) argues that the language associated with education and its aims is often unhelpful. He describes an 'educated person' in terms of intellectual development, practical capability, community participation, moral seriousness, pursuit of excellence, self-awareness and social justice. By contrast, the rhetoric around quality education is often discussed in terms of a narrow frame of reference which sees the purpose of education largely prescribed by an individual's ability to live independently (that is, in financial self-sufficiency through paid employment) and to a lesser extent by conforming to the social norms and expectations of the nation. The focus on individualism has its roots in Greek philosophy and perhaps more so in Enlightenment philosophers such as Kant and Rousseau, who emphasise individual autonomy and individual freedom (for a discussion of the historical development of philosophies of education see Carr, 2010). The argument of liberalist education philosophers suggests that 'schools should encourage competition between individual students and prepare students to live independent lives in society, respecting their uniqueness and distinct capabilities' (Portelli & Menashy, 2010, p. 421). Individualism is also reflected in the economic theories of Adam Smith (1904) which is reflected in what could be described as free market capitalism.

Discourse of education and social theories

There are however, other philosophical theories that underpin our current education systems. John Dewey saw the purpose of education as an end in itself, for 'growth' (Noddings, 2012, p. 39). While this is to some extent an individualistic process, Dewey (1938) does acknowledge the need for mechanisms of 'social control' in education, though he tends to view these as 'indirect.. not direct or personal… not external and coercive' (Dewey, 1966, p. 39). George Counts, a follower of Dewey's, was concerned that individualism did not allow for moral and social formation and education inevitably involved some elements of imposition or influence and that education itself needed to promote a 'theory of social welfare' (Counts, 1932). A more intentional theory of social transformation is proposed by Paulo Friere (1970), but not from the structures in which power resides. Rather he saw education as a transformative process in which: 'The revolutionary effort to transform these structures radically cannot designate its leaders as *thinkers* and the oppressed as *doers*' (p. 107).

The field of the sociology of education is somewhat more recent than the fields of educational psychology or philosophy. One of the earliest scholars in this field, James Coleman conducted the first major study of sociology in education with his 1966 *Equality of Educational Opportunity* project, which resulted in significant findings about school resourcing and desegregation in American schools. In terms of the latter he found that minority students benefited from attending high schools with White students (Schneider, 2000). However, perhaps his greatest contribution to the field was his *Foundations of Social Theory* (Coleman, 1990) in which he described what he called the development of 'social capital'. His discussion about the development of norms is particularly relevant. He suggests that those who lay claim to a norm—'beneficiaries'—can legitimately impose sanctions on those who do not necessarily hold the norm —'targets'. Inevitably, the target will consider the consequences of the sanction when deciding whether to comply or not. He also suggests that the stronger the social ties, the greater the social capital and concomitantly, the greater the trust between the various actors. Social capital fosters normative behaviour 'that enhances the productivity of the system. This is

accomplished through the fulfilment of expected obligations that are reciprocal and that engender trust' (Schneider, 2000, p. 377).

The development discourse and education

The international discourse around education and development suggests strongly that better education leads to increased levels of development (E A Hanushek & Woessmann, 2007; Keeley, 2007; OECD, 2012a). The empirical evidence that education and learning is related to a range of benefits including social equity (Field, Kuczera, & Pont, 2007; OECD, 2012b), health (Ross & Mirowsky, 2010), justice and criminal behaviour (Lochner, 2011; Machin, Marie, & Vujić, 2011), employment, economic and developmental (Eric A. Hanushek & Woessmann, 2009; OECD, 2012a), family and individual outcomes (Schuller, Preston, Hammond, & Bynner, 2004) is readily available in an array of literature. Economists Oreopoulos and Sylvanes (2011) identify a range of what they term 'non-pecuniary' benefits of schooling:

> *Schooling generates occupational prestige. It reduces the chance of ending up on welfare or unemployed. It improves success in the labor market and the marriage market. Better decision-making skills learned in school also lead to better health, happier marriages, and more successful children. Schooling also encourages patience and long-term thinking. Teen fertility, criminal activity, and other risky behaviors decrease with it. Schooling promotes trust and civic participation. It teaches students how to enjoy a good book and manage money. (pp. 179-180)*

The hope of education is that it leads to a better life, particularly for those living on the margins of society. Leadbeater (2012, p. 23) suggests that education 'offers them a hope that their place in society will not be fixed by the place they were born' and that through education people can 'remake their lives'.

> *Because it provides knowledge and skills, encourages new behaviour and increases individual and collective empowerment, education is at the centre of social and economic development.(UNICEF, Save the Children (UK), & State of Qatar, 2010)*

However, there is some debate about the causal relationship between development and education (which drives which?). The risk, according to educational sociologists, Chabbott and Ramirez (2000) is that international blueprints for education and development tend to lead to a 'loose coupling between policies and practices and practices out of sync with local realities' (p. 183).

The knowledge and skills discourse

Modern education systems are built on transfers of knowledge from teachers to students. That is, students go from a position of not knowing, to knowing; from not having skills, to having skills. The various educational theorists (such as Vygotsky, Piaget, Erikson, Montessori and Dewey) each present different ways that this knowledge is acquired by children and throughout life (see Mooney, 2000). The purpose here is not to discuss the various theories of learning. Rather, the aim is to assert a view that for educators it is reasonable to expect that it is 'possible, and desirable for people to *know and do* things, and to engage in and take seriously the fruits of *rational inquiry*, where such inquiry is understood to involve the pursuit of *truth'* (Siegel, 2010, p. 283). This assertion, coming from a philosopher of epistemology raises more questions than it answers. While defending this proposition, Siegel acknowledges the contentious nature of knowledge, rational enquiry and truth.

However, when we consider curricula and the apparently universalist approaches to knowledge transfer, built on the foundations of literacy, numeracy and the sciences, we are led to ask *whose knowledge* is given privilege, *whose logic is applied to rational inquiry*, and *whose truth* is assumed. Carr (2009) suggests that there are no objective epistemic grounds on which to base curriculum. Rather there is 'nothing but competing political arguments' (p. 297) which determine the value of knowledge.

The recent work of Joy de Leo (2012) sheds light on the priorities of the Australian National Curriculum in the light of historical international documents that define the basis of education systems. Her analysis shows that in Australia, the references to values in education that are reflected in

the international documents, such as equality, responsibility, democracy, participation, dignity, freedom, security and peace (de Leo, 2012, p. 85) are virtually absent in the Australian National Curriculum. De Leo argues that the 'integration of values in the curriculum also contributes significantly to the personal, psycho-social, spiritual and emotional development of the whole learner' (p. 220). De Leo's work sheds light on the otherwise hidden assumptions that underpin the Australian education system.

Knowing these political and ideological positions allows us to critically reflect on the various ontologies, cosmologies and axiologies that are applied to our epistemologies and pedagogies. The philosophical foundations of the Australian education system as it is now are shaped by Greek philosophers such as Socrates, Plato and Aristotle, then in the Enlightenment period, by Rousseau and in the 20th Century, by Dewey (see summaries in Johnston, 2010; Noddings, 2012). These philosophers (among others) bring a history of western thought to contemporary education and their influence in schooling and teaching are undeniable. More recently a number of Aboriginal and Torres Strait Islander academics are challenging the unquestioned philosophical assumptions of the mainstream and presenting alternative ways of being, thinking, believing and valuing to education and learning (see for example Arbon, 2008; P. L. Ford, 2010; Nakata, 2008). They allow us to step back from our uncontested assumptions and think differently about what an advantaged education might look like in Aboriginal and Torres Strait Islander contexts, particularly in remote communities.

Where then does advantage lie in education?

While there may be debate about the finer points, the foregoing discussion presents a number of theoretical bases from which the Australian education system draws. These theoretical and philosophical bases offer a lens through which we may view *advantage* in education. Figure 2 attempts (perhaps imperfectly) to represent the Australian education system bounded by these theoretical and philosophical ways of viewing the world. The education system is one of many systems that operate within these boundaries. Other systems cut across or influence the education system generally in ways that are mutually supportive. For example, systems of power and control, already embedded in the democratic political and economic structures of the nation, govern to a large extent how education plays out in terms of its defined measures of success and anticipated outcomes.

It follows that those who are able to align their identities, values, beliefs and ways of knowing to this education system, will be more likely to succeed and thrive because of the system—and produce the expected outcomes of education, which Figure 2 describes in terms of paid work, critical thinking, wealth creation, personal agency and control, democracy and belonging to the nation. It is therefore proposed here that those who are unable for whatever reason to align their identities, values, beliefs and ways of knowing to this system are less likely to succeed.

Figure 2. A frame of reference for *advantage* in the Australian education system
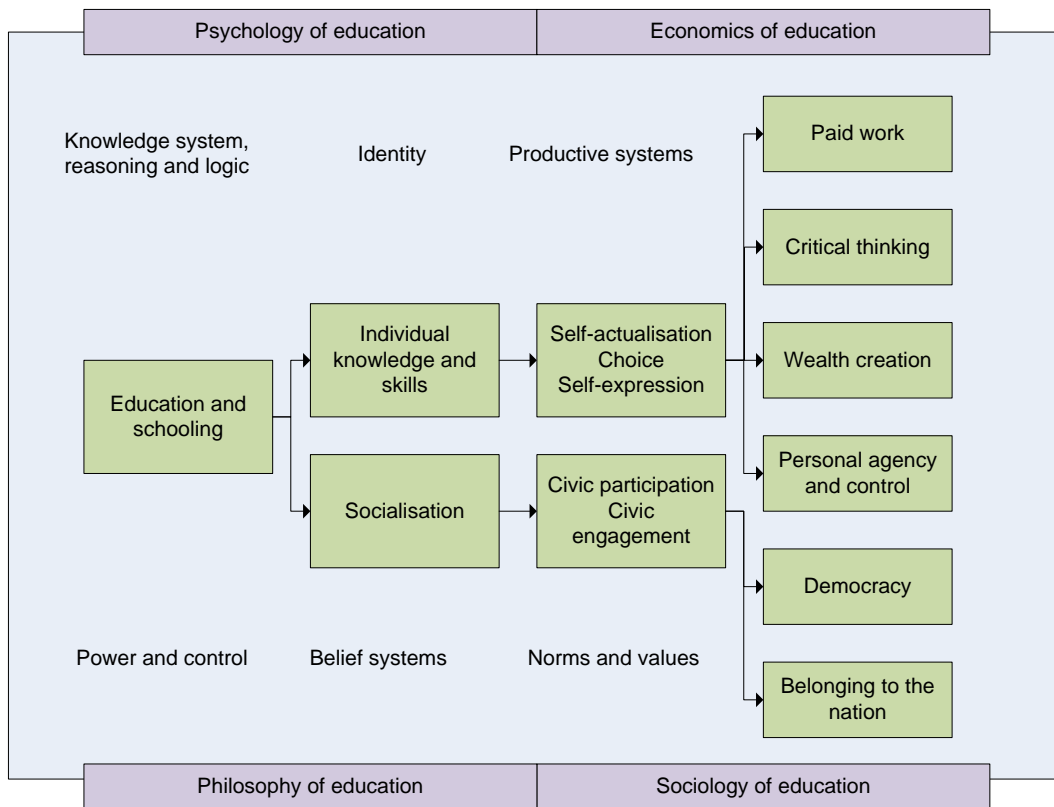
The measures of advantage are aligned to the logic of the system. For example the measures of success for students in this system include:

- Transitions to employment (high achievement is rewarded with better paid work);
- Further and higher education transitions (high achievement in literacy and numeracy unlocks the world of critical thinking);
- Occupational destination and status (increased status yields greater individual wealth);
- Career choice (the broader the range of choices the greater the apparent personal agency); and
- Progress and aspiration (a better education leads to societal and national progress).

If the above are indicators of advantage, the converse of the above is logically an indication of disadvantage. For example, disadvantage in Australia would be represented by:

- Higher levels of unemployment;
- Low achievement in English language literacy and numeracy
- Low levels of wealth;
- Higher levels of welfare dependence;
- Social marginalisation; and
- Disengagement from the democratic process.

This is then how the discourse of disadvantage perpetuates itself. The logic behind the discourse is in some ways circular. You are educationally disadvantaged because your ways of being, valuing, believing and knowing do not align with the prescribed system requirements. Any attempt to live outside this system is not recognised as advantageous because there is only one education system that produces advantage.

Towards a new discourse of success in remote learning

Imagine for a moment though, what an alternative universe might look like where the schema presented in Figure 2 was an option rather than a given. Would it look any different if it was planned to work for a remote Australian context?

What would happen for example if we underpinned our new system with Aboriginal and Torres Strait Islander philosophies? What would happen if we incorporated into our system a new set of norms and values, identities and knowledge systems? What would happen if we built into our new curriculum, a set of values that reflected internationally recognised expectations of equality, responsibility, participation, cooperation, dignity, freedom, security, peace, protection (conservation), respect, dialogue, integrity, diversity, tolerance, justice, solidarity (de Leo, 2012 Appendix 18)?

Would the strong focus on individual learning be replaced by a cooperative approach? Would the process of education lead to self-actualisation or an alternative standard based on a different hierarchy of needs? Would civic participation be replaced by something completely different? Would the education system start with the premise of schooling or some other teaching and learning structure?

What would happen if the outcomes of education were reshaped to better suit the needs of people living in remote communities? Would the list include those suggested in Figure 2, and if they were included, would they be redefined? Without wanting to pre-empt the array of possible answers, maybe the list would include emphases that redefined the nature of work; that allowed for remote problem-solving skills; that targeted the ability to live in two worlds; that recognised the importance of maintaining and strengthening culture; or that focused on belonging to country?

We raise these questions to prompt the beginnings of a new discourse of success in remote learning. Rather than focus on what needs to be fixed either in the system or fixed in the community, we would like to promote a discussion that considers firstly how success might be reimagined, and secondly how a system might be reshaped, based on alternative set of paradigms. The discourse will be one of *advantage* rather than disadvantage. Our research methodology is focused on bringing forward the voices of Aboriginal and Torres Strait Islander peoples in remote communities. The kinds of questions raised above are the kinds of questions we are seeking answers to.

Conclusions

Statistics, indicators of success and measures of progress tell a useful story. In educational terms, they tell us whether we are passing or failing. However, they do so based on a set of assumptions that are mostly unquestioned and mostly unstated. The data presented earlier in this paper presents pictures of failure for remote Aboriginal and Torres Strait Islander students and families—poor school performance, poor post-school outcomes and widening 'gaps'.

The paper has attempted to provide a rationale for the discourse of disadvantage in remote Aboriginal and Torres Strait Islander education. It has done so by examining the philosophical and theoretical foundations of the current education system in Australia, drawing on the literature of the philosophy of education, the sociology of education and the psychology of education. From these sources we have shown that purpose and outcomes of education in Australia are underpinned by a set of foundational assumptions that are largely hidden from view in the disadvantage discourse itself, but which strongly influence it. The assumptions reveal that the *presence* of particular system elements and prescribed system outcomes related to work, wealth, critical thinking, personal agency and control as well as democracy and belonging to the nation, frame the indicators and therefore the rhetoric of educational advantage. The *absence* of these system elements and outcomes is therefore reflected in the discourse of disadvantage.

To better reflect the philosophical and theoretical assumptions that underpin an advantageous education for remote Aboriginal and Torres Strait Islander students and their families, we propose that there must be an alternative set of elements and outcomes. We cannot at this point of our research say precisely what they may be, but once we learn what they are, the education system will be in a better position to respond to the needs of those living in remote communities. Further, the various actors in the system should be able to reframe their rhetoric towards one of advantage rather than disadvantage.

But perhaps these questions remain: What levers can we use to influence the system accordingly and ultimately will the system be able to respond? While on the one hand it is perhaps useful to promote lofty and laudable ideas (which could be described as 'blue sky' thinking) we are particularly concerned to produce findings that are grounded in the reality of our context—hence the notion of red dirt thinking.

References

ABS. (2012a). *Measures of Australia's Progress: aspirations for our nation: a conversation with Australians about progress*, Novermber 2012, Australian Bureau of Statistics, Belconnen. Retrieved November 2012 from http://www.ausstats.abs.gov.au/Ausstats/subscriber.nsf/0/E49E9DD90B4076C1CA257ABB000FBB94/$File/measures%20of%20australia%27s%20progress%20consultation%20report.pdf.

ABS. (2012b). *Measures of Australia's Progress 2012: Is life in Australia getting better?* Canberra: Australian Bureau of Statistics.

Arbon, V. (2008). *Arlathirnda Ngurkarnda Ityirnda: Being-Knowing-Doing, De-colonising Indigenous Tertiary Education*. Teneriffe, QLD: Post Press.

Australian Curriculum Assessment and Reporting Authority. (2011). *NAPLAN Achievement in Reading, Persuasive Writing, Language Conventions and Numeracy: National Report for 2011*, ACARA, Sydney. Retrieved February 2012 from http://www.nap.edu.au/_Documents/National%20Report/NAPLAN_2011_National_Report.pdf.

Australian Curriculum Assessment and Reporting Authority. (2012). *The Shape of the Australian Curriculum*. Version 3, May 2012, ACARA, Sydney. Retrieved September 2012 from http://www.acara.edu.au/verve/_resources/The_Shape_of_the_Australian_Curriculum_V3.pdf.

Bath, H. (2011). *Disparity and disadvantage – the context for child protection in the Northern Territory*. Paper presented at the NT Council of Social Services conference, Darwin. http://www.ntcoss.org.au/sites/www.ntcoss.org.au/files/Disparity%20and%20disadvantage%20NTCOSS%20H%20Bath%20April%202011.pdf

Carr, D. (2009). Curriculum and the Value of Knowledge. In H. Siegel (Ed.), *The Oxford Handbook of Philosophy of Education* (pp. 281-299). Oxford: Oxford University Press.

Carr, D. (2010). The Philosophy of Education and Educational Theory. In R. Bailey, C. McCarthy, D. Carr & R. Barrow (Eds.), *The SAGE Handbook of Philosophy of Education* (pp. 37-53). London: Sage Publications.

Chabbott, C., & Ramirez, F. (2000). Development and Education. In M. Hallinan (Ed.), *Handbook of the Sociology of Education* (pp. 163-187). New York: Springer.

Coleman, J. (1990). *Foundations of Social Theory*. Cambridge, MA.: Bellknap Press.

Council of Australian Governments. (2009). *National Integrated Strategy for Closing the Gap in Indigenous Disadvantage*. Retrieved Access Date from http://www.coag.gov.au/coag_meeting_outcomes/2009-07-02/docs/NIS_closing_the_gap.pdf.

Counts, G. (1932). *Dare the School: Build a new Social Order*. New York: John Day Company.

Cowlishaw, G. (2012). Culture and the absurd: the means and meanings of Aboriginal identity in the time of cultural revivalism. *Journal of the Royal Anthropological Institute, 18*(2), 397-417. doi: 10.1111/j.1467-9655.2012.01749.x

de Leo, J. (2012). *Quality Education for Sustainable Development: An educator handbook for integrating values, knowledge, skills and quality features of Education for Sustainable Development in schooling*

Dewey, J. (1938). *Experience and Education*. New York: Kappa Delta Pi.

Dewey, J. (1966). *Democracy and Education* (First Free Press Paperback Edition ed.). New York: The Free Press.

Field, S., Kuczera, M., & Pont, B. (2007). *No more failures: Ten steps to equity in education*. Paris: OECD.

Ford, M. (2012). Achievement gaps in Australia: what NAPLAN reveals about education inequality in Australia. *Race Ethnicity and Education*, 1-23. doi: 10.1080/13613324.2011.645570

Ford, P. L. (2010). *Aboriginal Knowledge Narratives and Country: Marri kunkimba putj putj marrideyan*. Brisbane: Post Pressed.

Friere, P. (1970). *Pedagogy of the Oppressed*. New York: Continuum Publishing Company.

Gorringe, S. (2011). Honouring our strengths--moving forward. *Education in Rural Australia, 21*(1), 21+.

Hanushek, E. A., & Woessmann, L. (2007). *The Role of School Improvement in Economic Development*. NBER Working Paper No. 12832, January 2007, National Bureau of Economic Research. Retrieved September 2011 from http://www.nber.org/papers/w12832.

Hanushek, E. A., & Woessmann, L. (2009). Do Better Schools Lead to More Growth? Cognitive Skills, Economic Outcomes, and Causation. *National Bureau of Economic Research Working Paper Series, No. 14633*.

Jensen, B. (2012). *Catching Up: Learning from the best school systems in East Asiua*. Grattan Institute Report No. 2012-3, February 2012, The Grattan Institute. Retrieved September 2012 from http://grattan.edu.au/static/files/assets/00d8aaf4/130_report_learning_from_the_best_detail.pdf.

Johns, G. (2006). *Remote Schools and the Real Economy*, The Menzies Research Centre Limited, Barton, ACT. Retrieved July 2011 from http://www.mrcltd.org.au/research/indigenous-reports/remote_schools_aboriginal_education.pdf.

Johnston, J. (2010). John Dewey and Educational Pragmatism. In R. Bailey, C. McCarthy, D. Carr & R. Barrow (Eds.), *The SAGE Handbook of Philosophy of Education* (pp. 99-110). London: Sage Publications.

Keeley, B. (2007). *Human Capital: How what you know shapes your life*. Paris: OECD Publishing.

Langton, M. (Producer). (2012, September 2012). Indigenous Exceptionalism. *Slow TV*. Retrieved from http://www.themonthly.com.au/indigenous-exceptionalism-marcia-langton-6139

Leadbeater, C. (2012). *Innovation in education: Lessons from pioneers around the world*. Dohar: Qatar Foundation.

Lochner, L. (2011). Nonproduction benefits of education: Crime, Health and Good Citizenship. In E. A. Hanushek, S. J. Machin & L. Woessmann (Eds.), *Handbook of the Economics of Education* (Vol. Volume 4). Amsterdam: North-Holland.

Machin, S., Marie, O., & Vujić, S. (2011). The Crime Reducing Effect of Education*. *The Economic Journal, 121*(552), 463-484. doi: 10.1111/j.1468-0297.2011.02430.x

Mooney, C. (2000). *Theories of childhood: An introduction to Dewey, Montessori, Erickson, Piaget, and Vygotsky*. St Paul: Redleaf Press.

Nakata, M. (2008). *Disciplining the savages, savaging the disciplines*. Canberra: Aboriginal Studies Press.

Noddings, N. (2012). *Philosophy of Education*

OECD. (2012a). *Better Skills, Better Jobs, Better Lives: A Strategic Approach to Skills Policies*, OECD Publishing. Retrieved August 2012 from http://skills.oecd.org/documents/OECDSkillsStrategyFINALENG.pdf.

OECD. (2012b). *Equity and Quality in Education: Supporting Disadvantaged Students and Schools*, 09 February 2012, OECD Publishing. Retrieved February 2012 from http://dx.doi.org/10.1787/9789264130852-en.

Oreopoulos, P., & Salvanes, K. G. (2011). Priceless: The Nonpecuniary Benefits of Schooling. *The Journal of Economic Perspectives, 25*(1), 159-184. doi: 10.1257/089533011798837765

Orlowski, P. (2011). *Teaching About Hegemony: Race, Class and Democracy in the 21st Century* (Vol. 17): Springer Netherlands.

Portelli, J., & Menashy, F. (2010). Individual and Community Aims of Education. In R. Bailey, C. McCarthy, D. Carr & R. Barrow (Eds.), *The SAGE Handbook of Philosophy of Education* (pp. 415-433). London: Sage Publications.

Pring, R. (2010). The Philosophy of Education and Educational Practice. In R. Bailey, C. McCarthy, D. Carr & R. Barrow (Eds.), *The SAGE Handbook of Philosophy of Education* (pp. 55-66). London: Sage Publications.

Ross, C. E., & Mirowsky, J. (2010). Why education is the key to socioeconomic differentials in health. In C. Bird, P. Conrad, A. Fremont & S. Timmermans (Eds.), *Handbook of Medical Sociology* (Sixth Edition ed.). Nashville: Vanderbilt University Press.

Schneider, B. (2000). Social Systems and Norms: A Coleman Approach. In M. Hallinan (Ed.), *Handbook of the Sociology of Education*. New York: Springer.

Schuller, T., Preston, J., Hammond, C. B.-G., A, & Bynner, J. (2004). *The Benefits of Learning: The impact of education on health, family life and social capital*. Abingdon: RoutledgeFalmer.

Siegel, H. (2010). Knowledge and Truth. In R. Bailey, C. McCarthy, D. Carr & R. Barrow (Eds.), *The SAGE Handbook of Philosophy of Education* (pp. 283-295). London: Sage Publications.

Smith, A. (1904). *Inquiry into the Nature and Causes of Wealth of Nations* (Fifth Edition ed.). London: Methuen and Co. Ltd., Library of Economics and Liberty.

Steering Committee for the Review of Government Service Provision. (2011a). *Overcoming Indigenous Disadvantage: Key Indicators 2011*, Productivity Commission, Canberra. Retrieved August 2011 from http://www.pc.gov.au/__data/assets/pdf_file/0018/111609/key-indicators-2011-report.pdf.

Steering Committee for the Review of Government Service Provision. (2011b). *Overcoming Indigenous Disadvantage: Key Indicators 2011, COAG targets and headline indicators: Attachment tables*, Productivity Commission, Melbourne. Retrieved November 2012 from http://www.pc.gov.au/__data/assets/pdf_file/0014/111632/06-key-indicators-2011-chapter4-all.pdf.

Steering Committee for the Review of Government Service Provision. (2012). *2012 Indigenous Expenditure Report*, Productivity Commission, Canberra. Retrieved September 2012 from http://www.pc.gov.au/__data/assets/pdf_file/0007/119356/indigenous-expenditure-report-2012.pdf.

Thomson, S., Bortoli, L. D., Marina Nicholas, Kylie Hillman, & Buckley, S. (2011). *Challenges for Australian education: results from PISA 2009: the PISA 2009 assessment of students' reading, mathematical and scientific literacy*. PISA national reports, Australian Council for Educational Research. Retrieved January 2013 from http://www.acer.edu.au/documents/PISA-Report-2009.pdf.

UNICEF, Save the Children (UK), & State of Qatar. (2010). *The Central Role of Education in the Millenium Development Goals*, United Nations Educational, Scientific and Cultural Organization (UNESCO), Paris. Retrieved December 2012 from http://unesdoc.unesco.org/images/0019/001905/190587e.pdf.

Vass, G. (2012). 'So, What is Wrong with Indigenous Education?' Perspective, Position and Power Beyond a Deficit Discourse. *The Australian Journal of Indigenous Education, 41*(02), 85-96. doi: doi:10.1017/jie.2012.25

What Works: The Work Program. (2012). *Success in remote schools: a research study of eleven improving remote schools*. Retrieved September 2012 from http://www.whatworks.edu.au/upload/1341805220784_file_SuccessinRemoteSchools2012.pdf.