

# Performance of the Scottish Education System & Raising Attainment of All Learners

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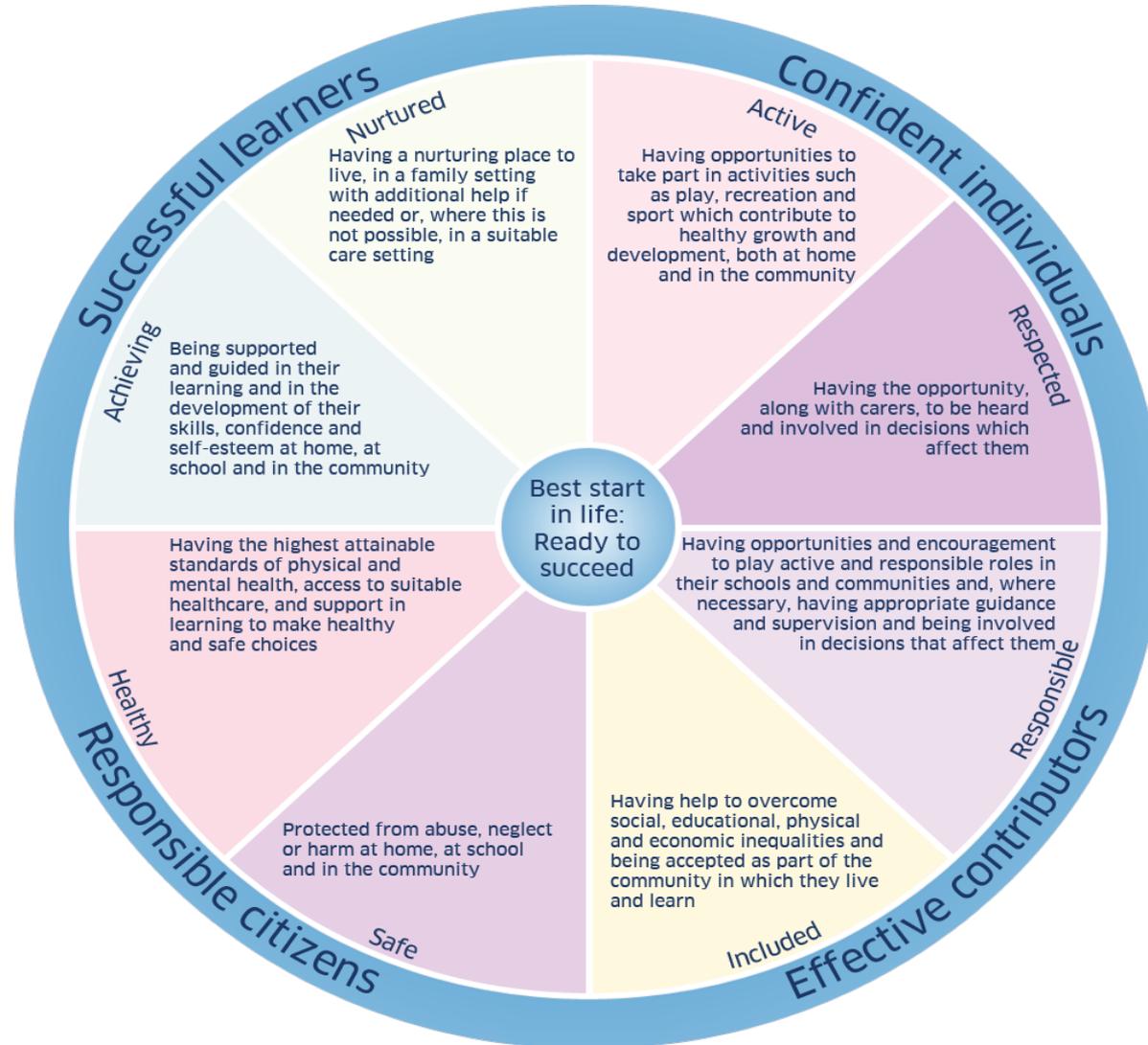
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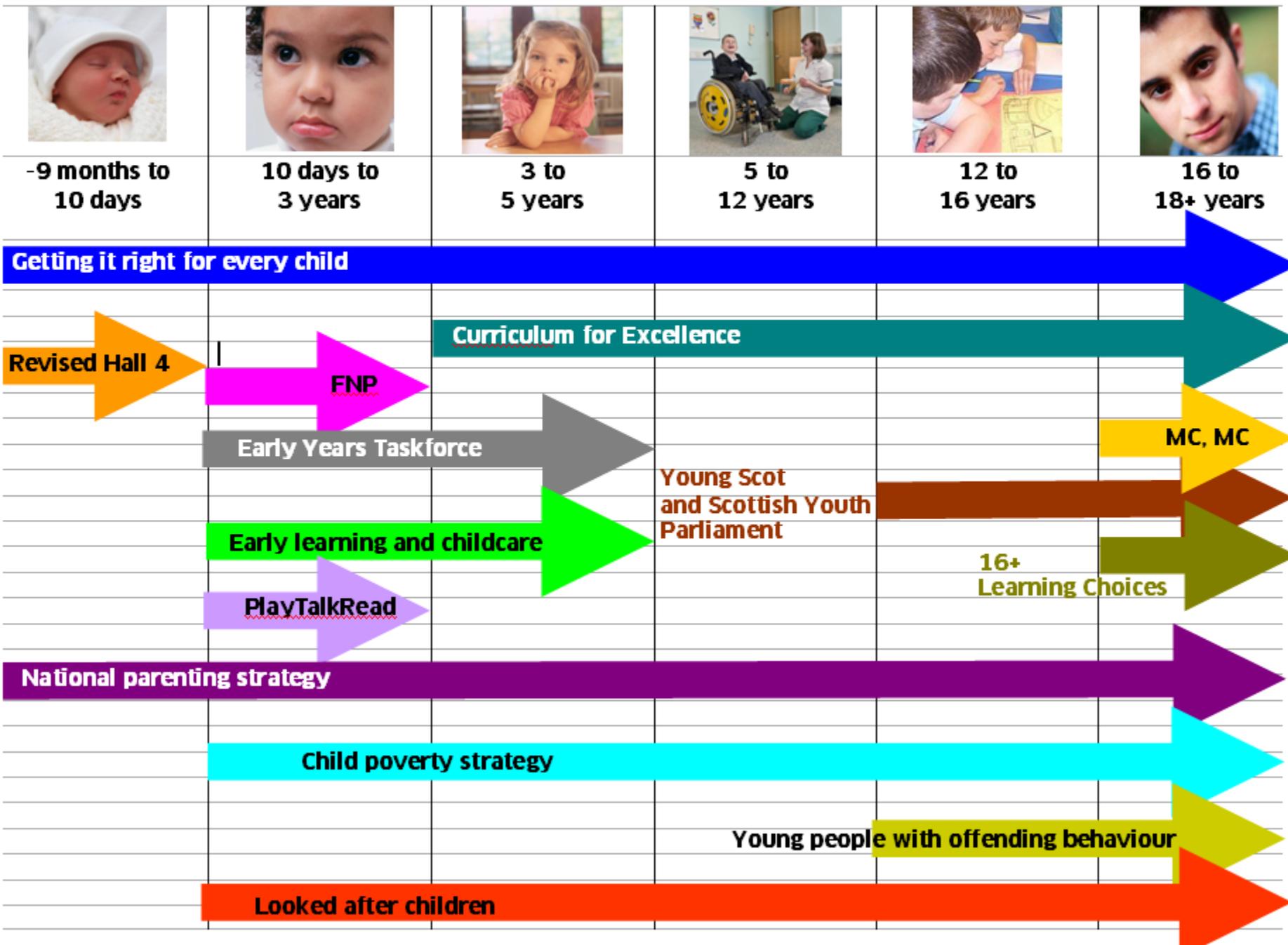
# Outcome Focused National Priorities

- The National Performance Framework, geared around 5 national objectives and 15 national outcomes
- NO 3, 4, 5, 7, 8, 15
- Education provision a major vehicle (along with health services) for how we will make good on these aspirations

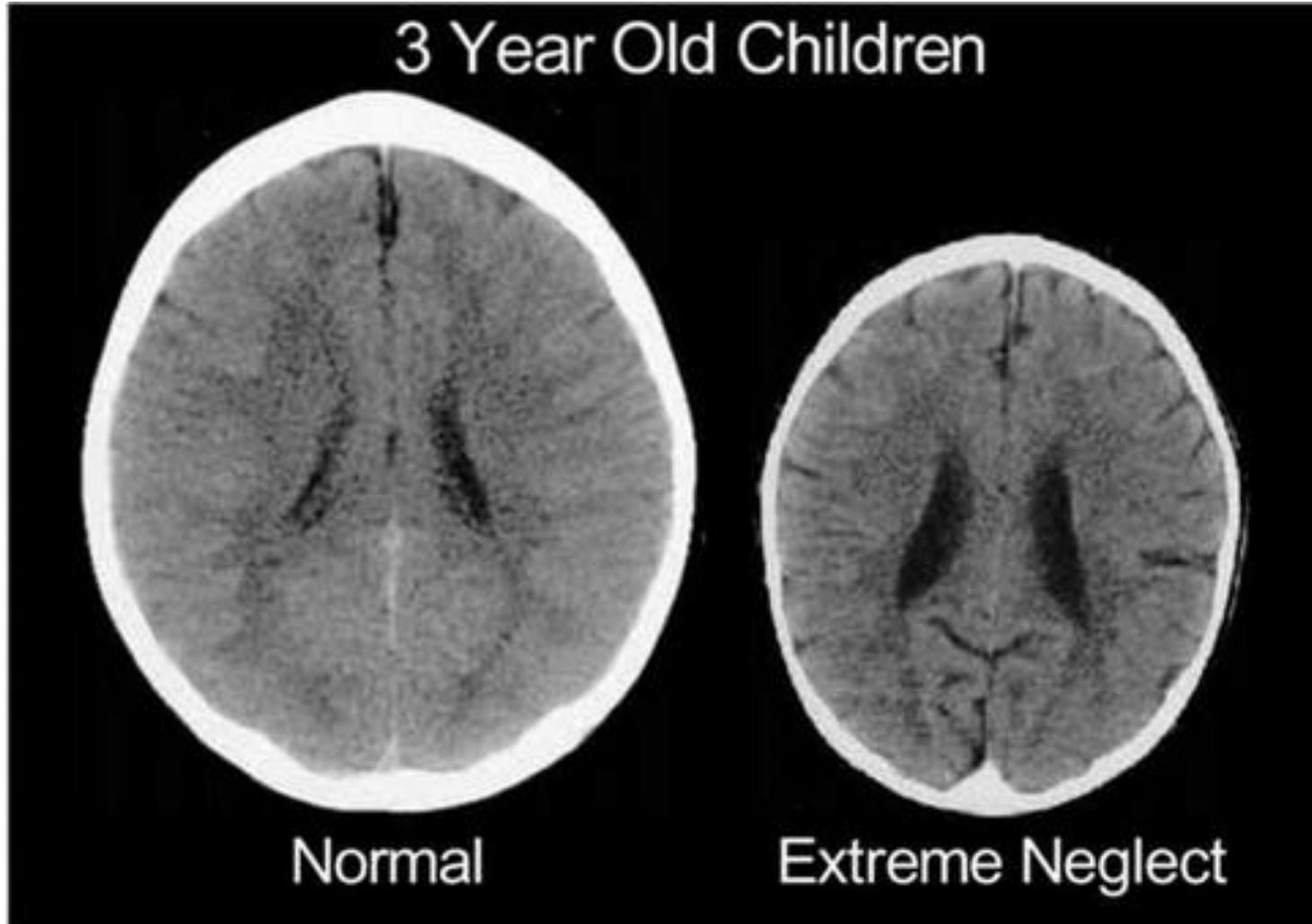
# Getting it Right For Every Child



# Scotland - the best place to grow Up In

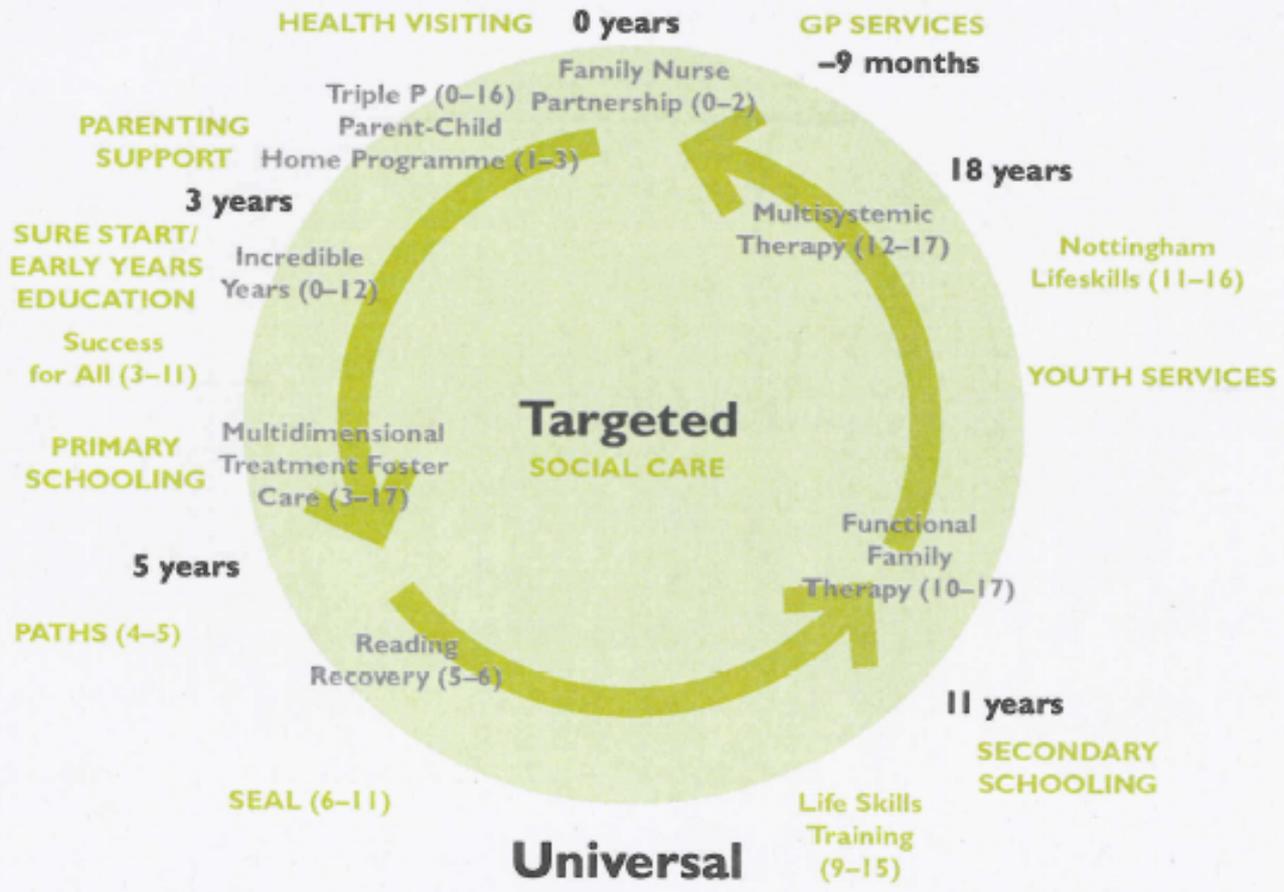


# Importance of the Early Years



# What is early?

Figure 1.1: Effective intervention examples by age



Note: PATHS stands for Promoting Alternative Thinking Strategies and SEAL stands for Social and Emotional Aspects of Learning.

# The School Years



..looking reasonably good although not outstanding

Graduates as proportion of population (25-64 age group), 2008

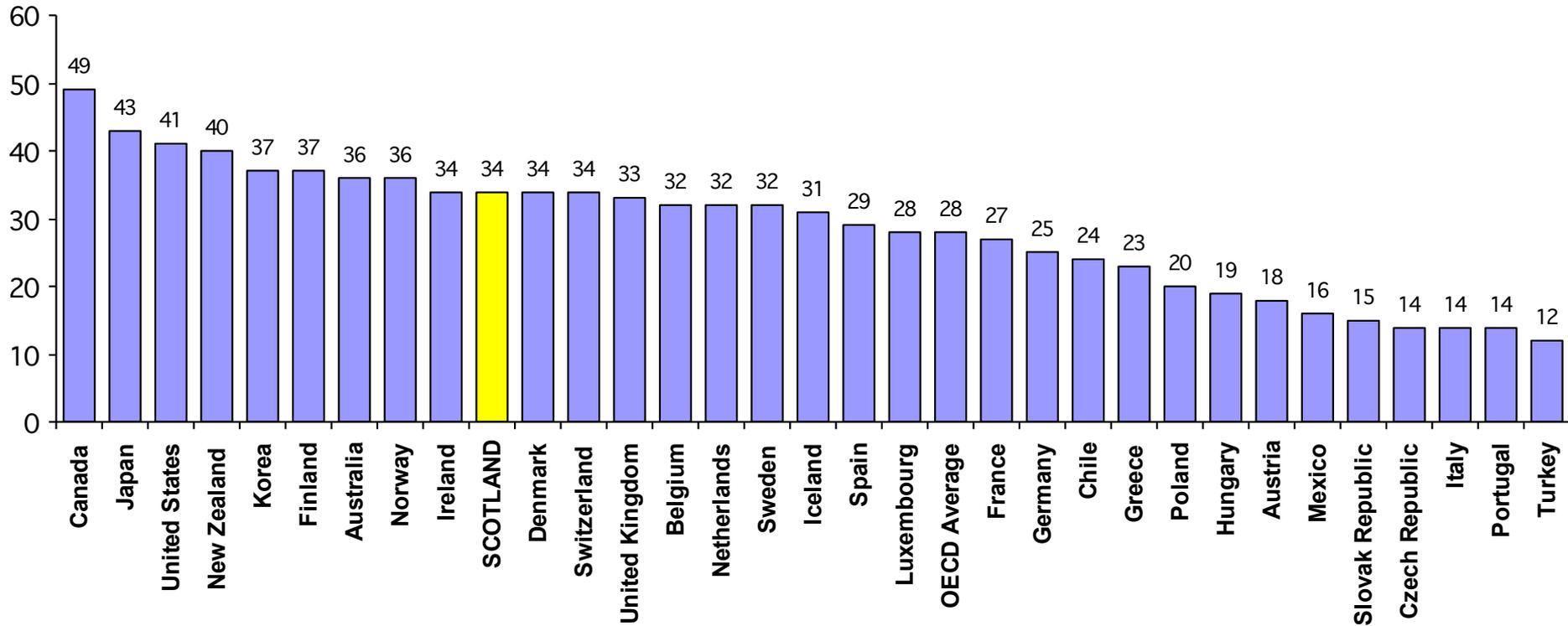
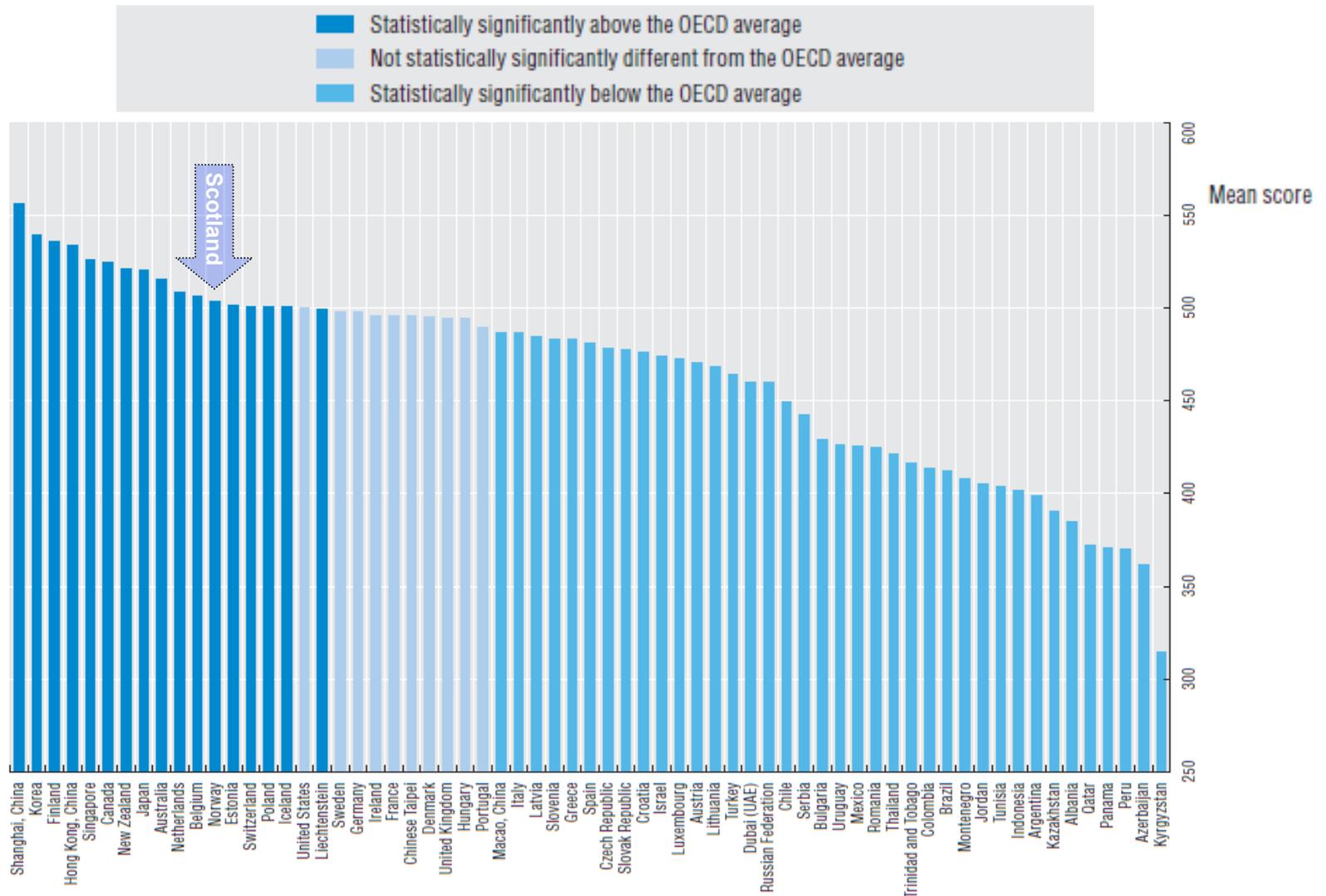


Figure 1.2. Comparing performance in reading



Source: OECD (2010), PISA 2009 Results, Volume I, What Students Know and Can Do: Student Performance in Reading, Mathematics and Science, Figure I.2.15, available at <http://dx.doi.org/10.1787/888932343133>.

Figure 1.8. Comparing performance in science

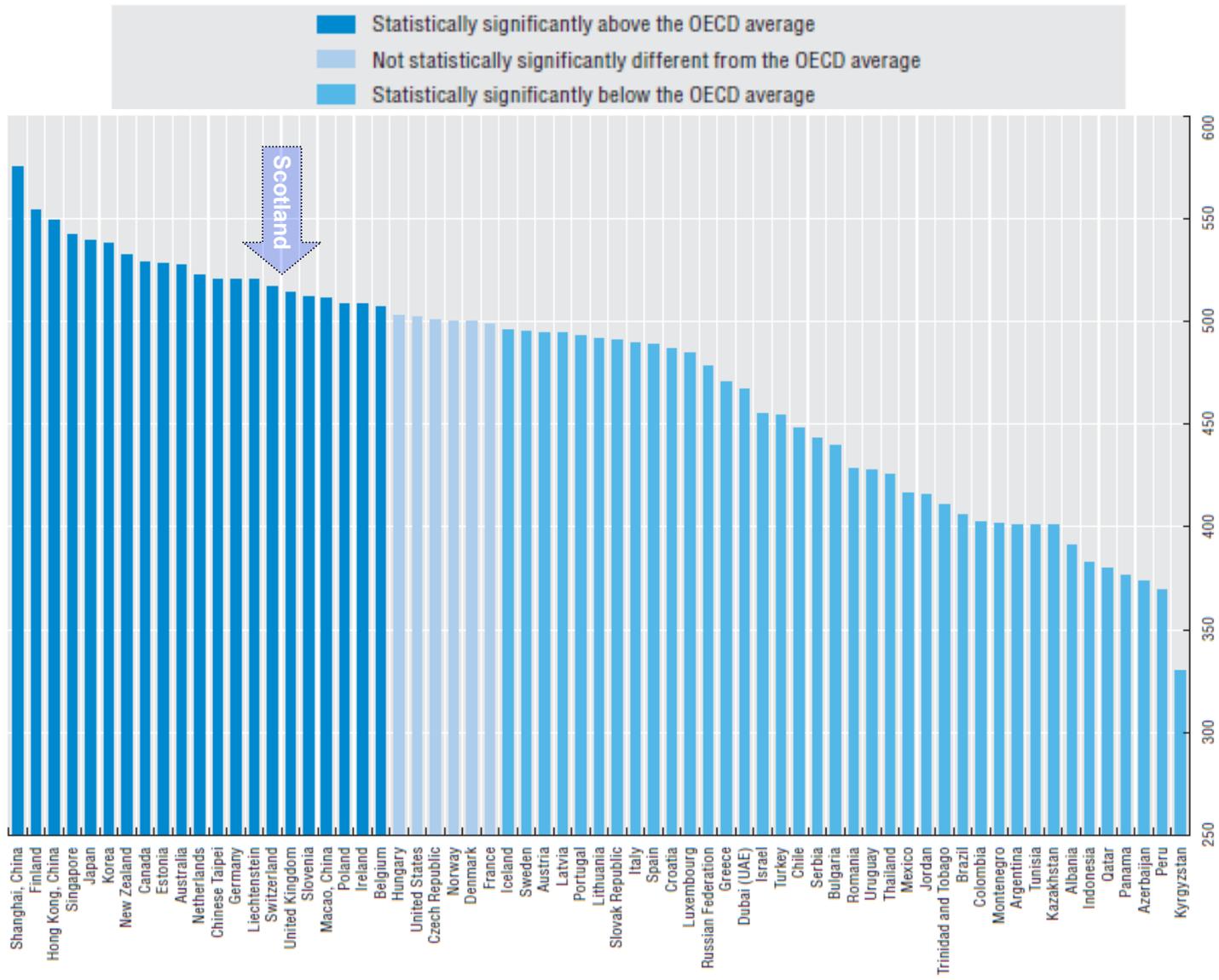
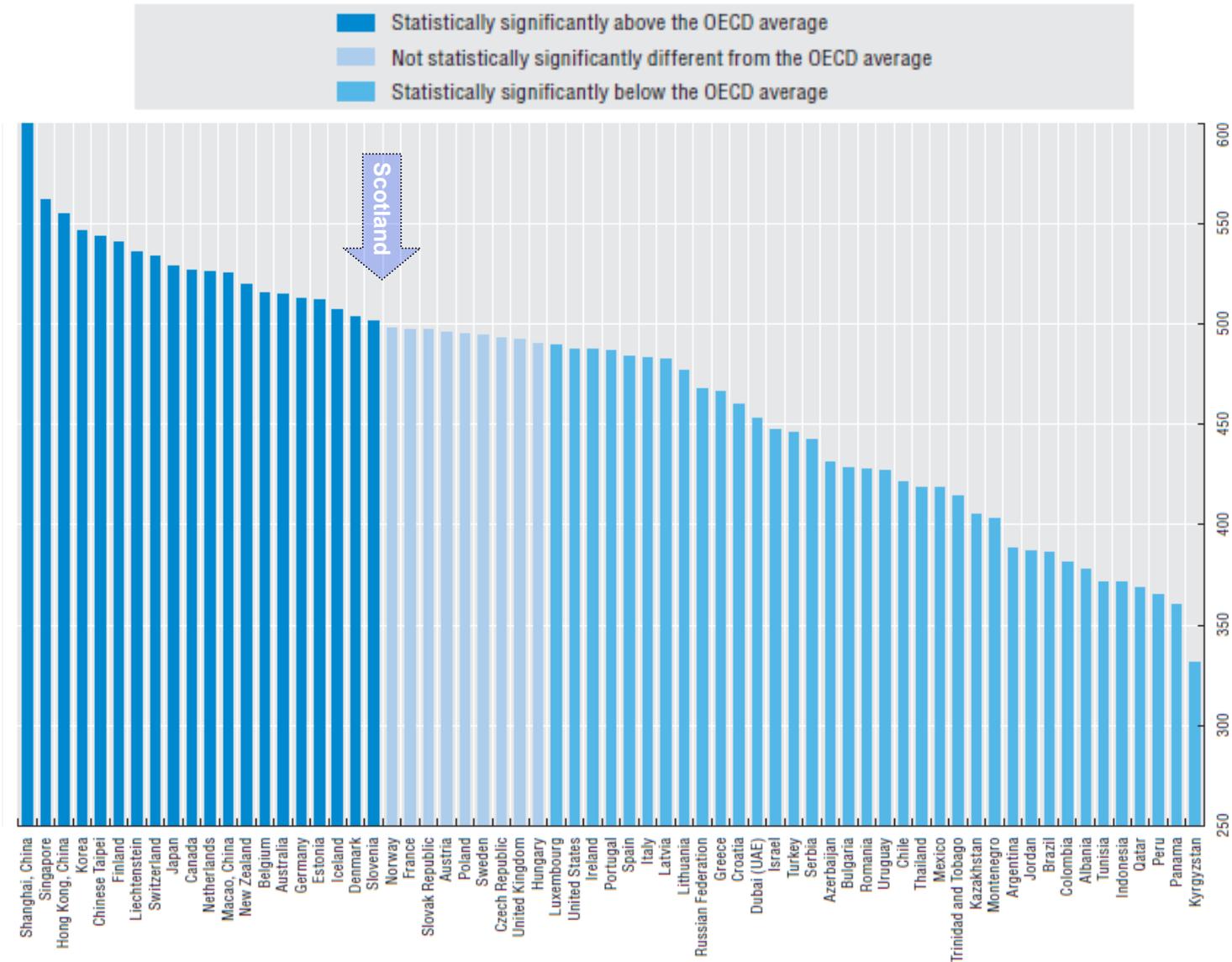
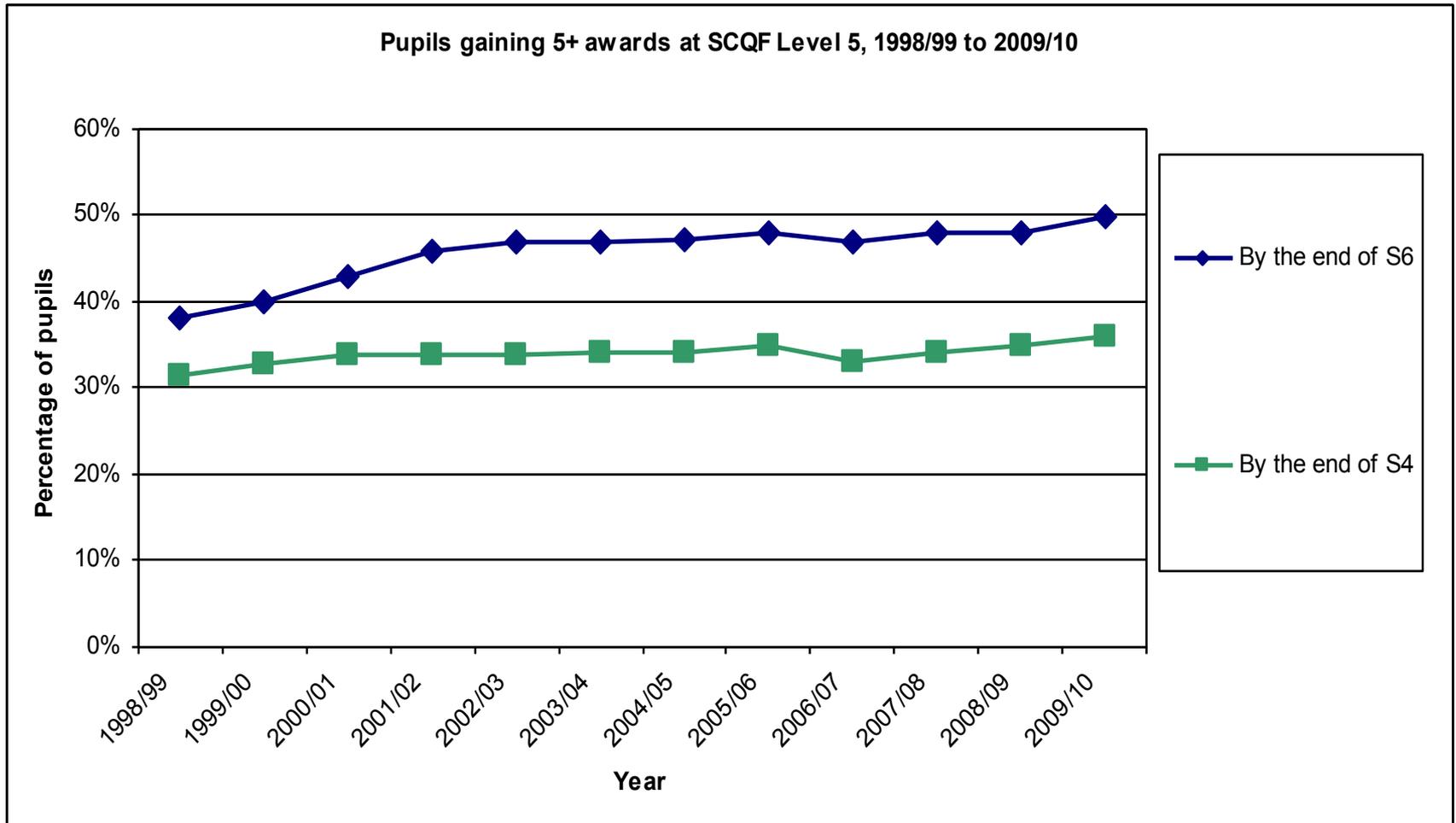


Figure 1.5. Comparing performance in mathematics



# ...gradual improvement in qualification results



...inspection outcomes show considerable headroom for improvement in many schools

**Scotland - ALL Schools QI Summary**  
**April 2008 to March 2011**

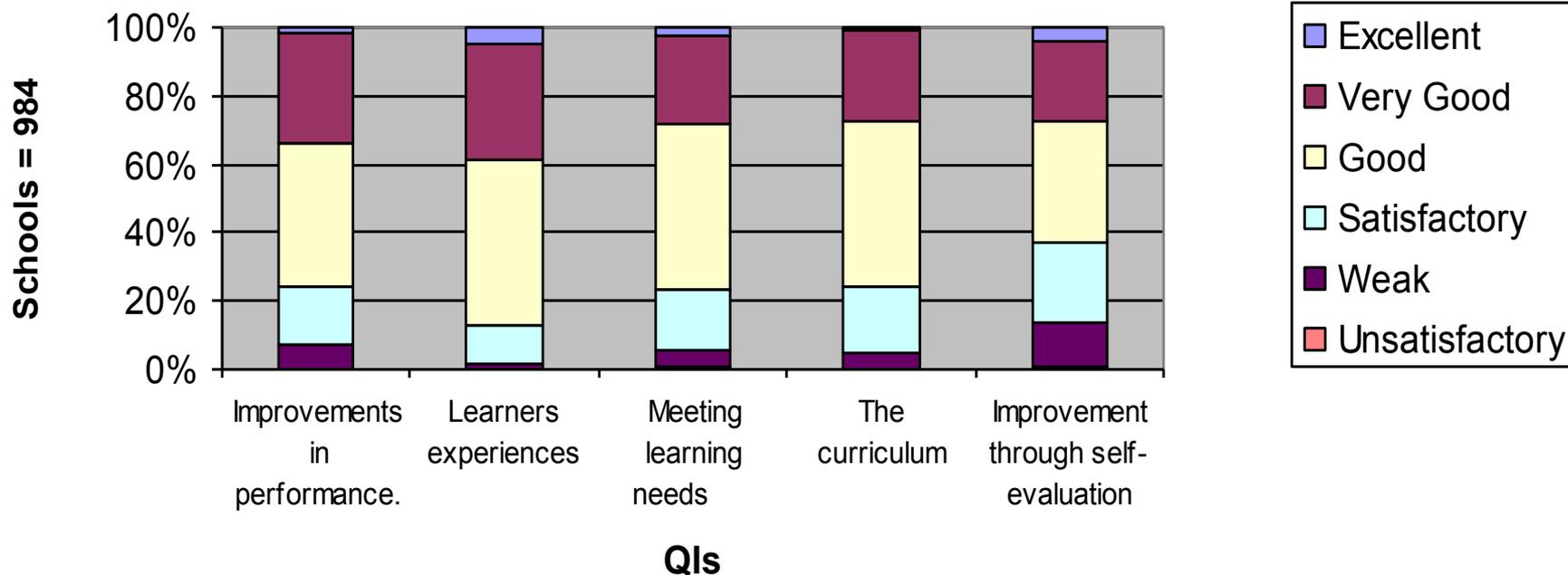
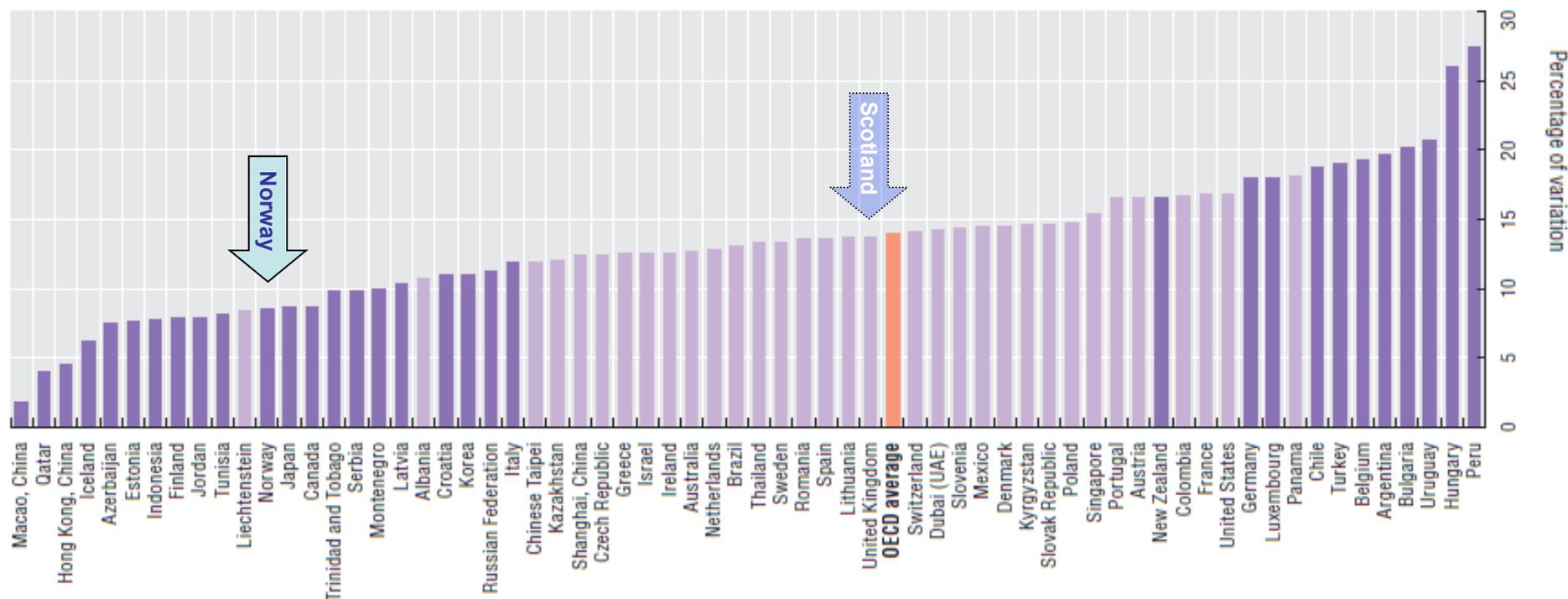


Figure 2.1. Socio-economic background and reading performance

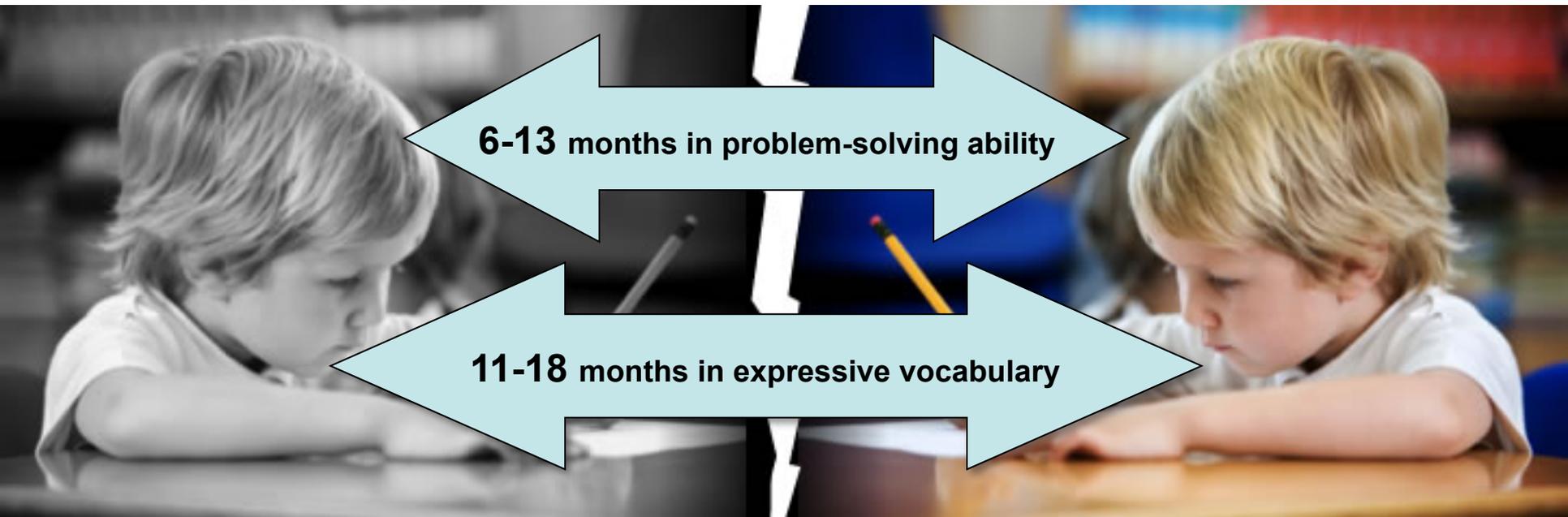
Percentage of variation in reading performance explained by socio-economic background



Note: Values that are statistically different from the OECD average are marked in dark violet.

Source: OECD (2010), PISA 2009 Results, Volume II, Overcoming Social Background: Equity in Learning Opportunities and Outcomes, Figures II.3.3 and II.3.4, available at <http://dx.doi.org/10.1787/888932343589>.

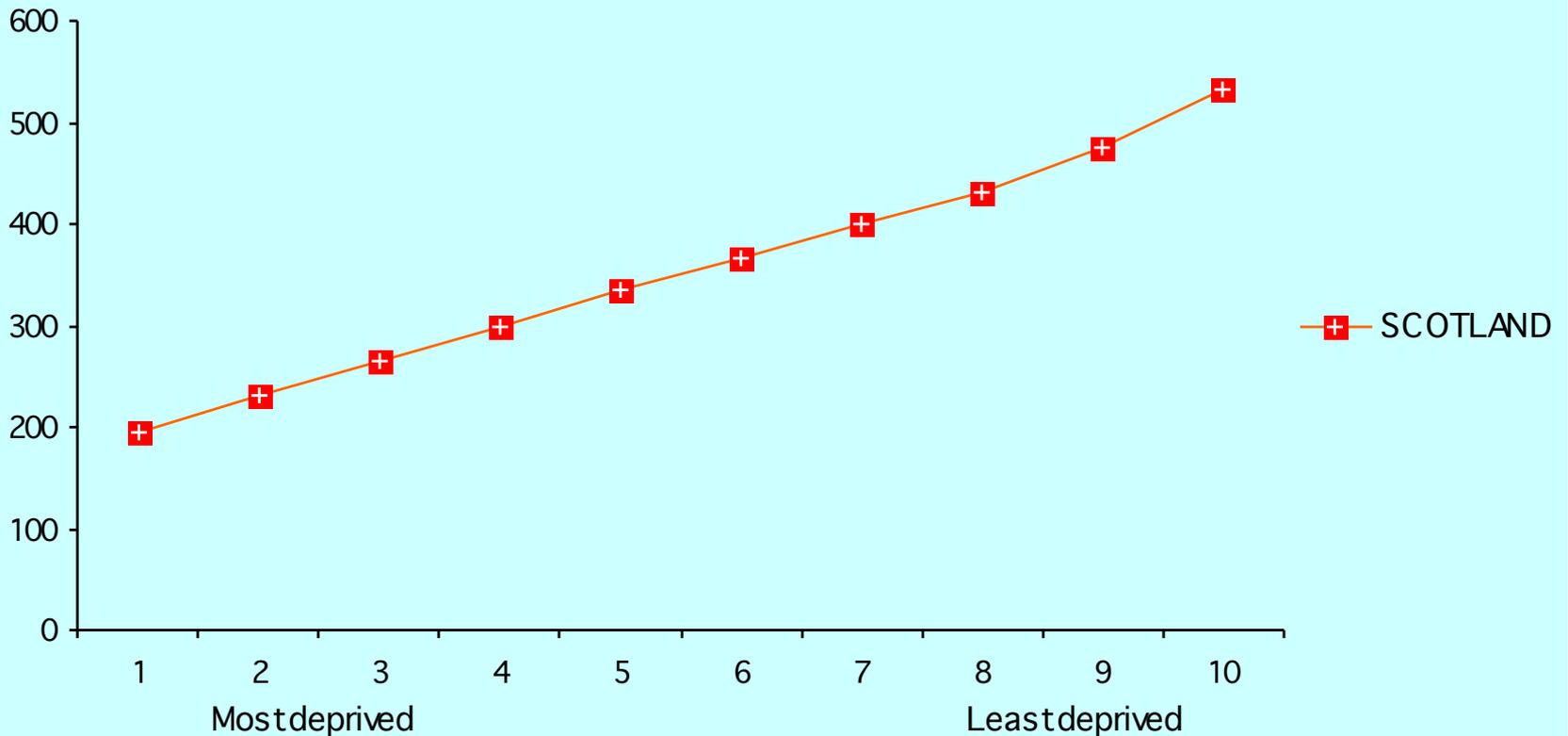
In Scotland today, at age 5, the gap between children from the most advantaged and most disadvantaged families is already:



Source: Bradshaw, P. (2011) Growing Up in Scotland (2011) Changes in child cognitive ability in the pre-school years Edinburgh; Scottish Government

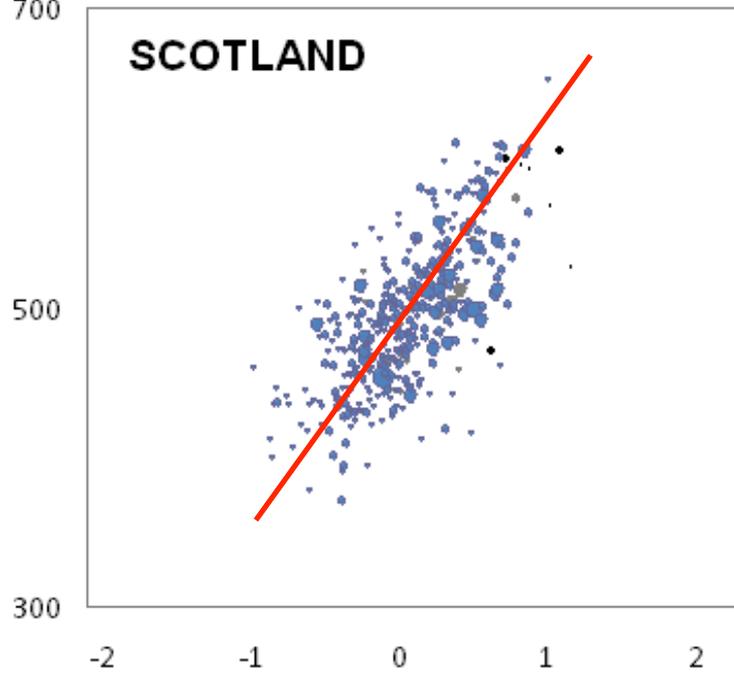
# The Challenge

Average tariff score for school leavers, by decile of area deprivation (SIMD)

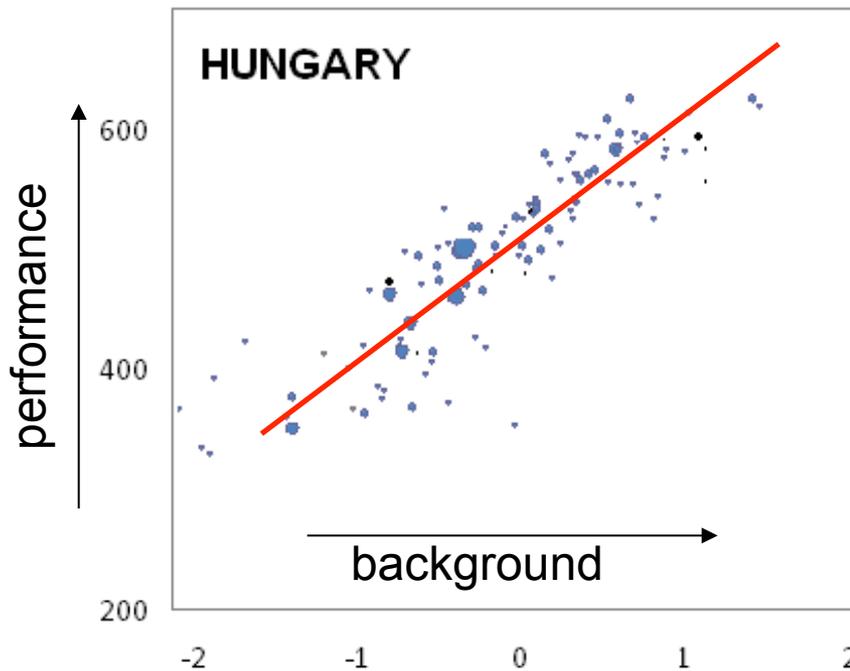
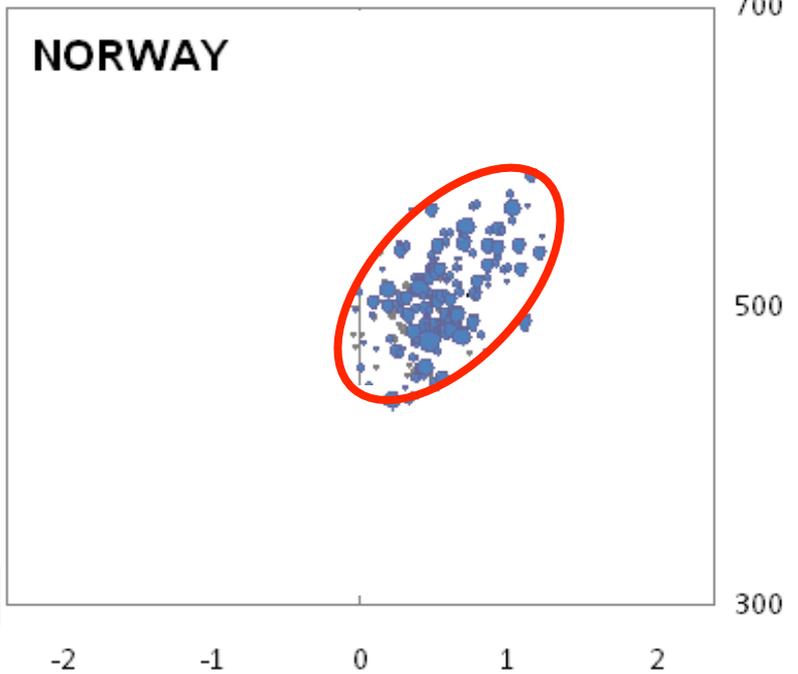


Proficiency level

Score  
700



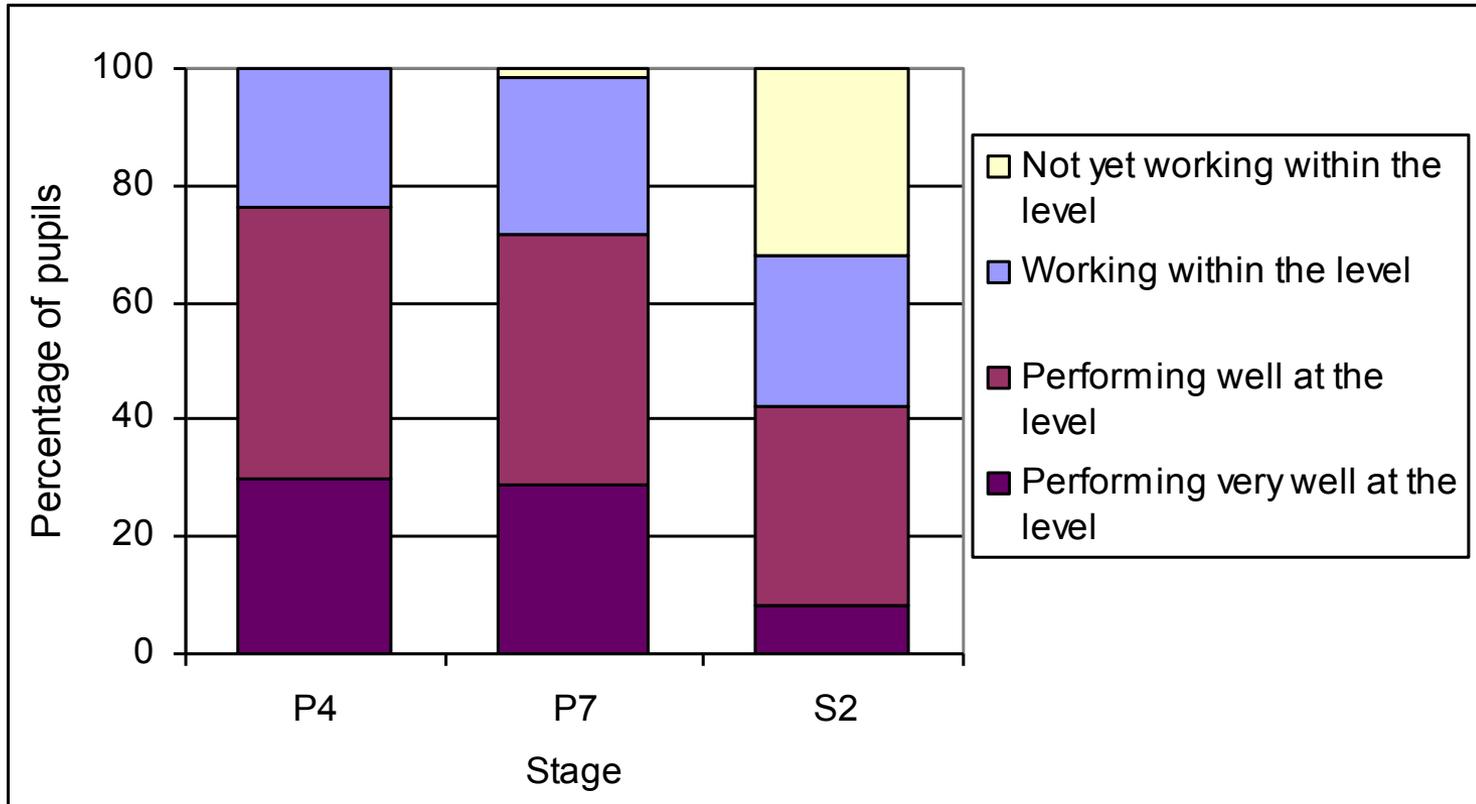
Score  
700



### Scotland

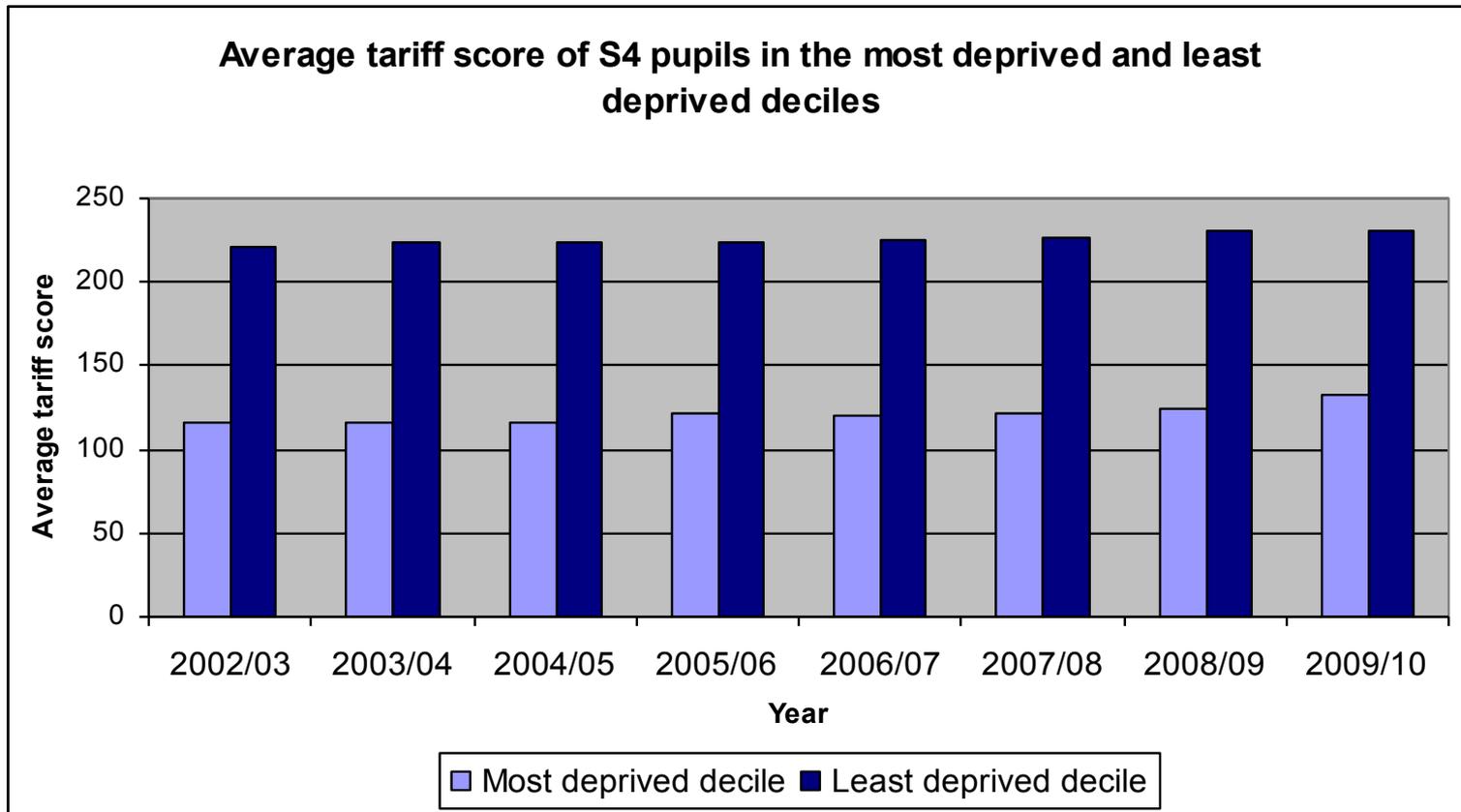
- Large difference due to socio-economic factors
- Average amount of breaking away from that pattern

# Scottish Survey of Literacy and Numeracy Numeracy results 2011

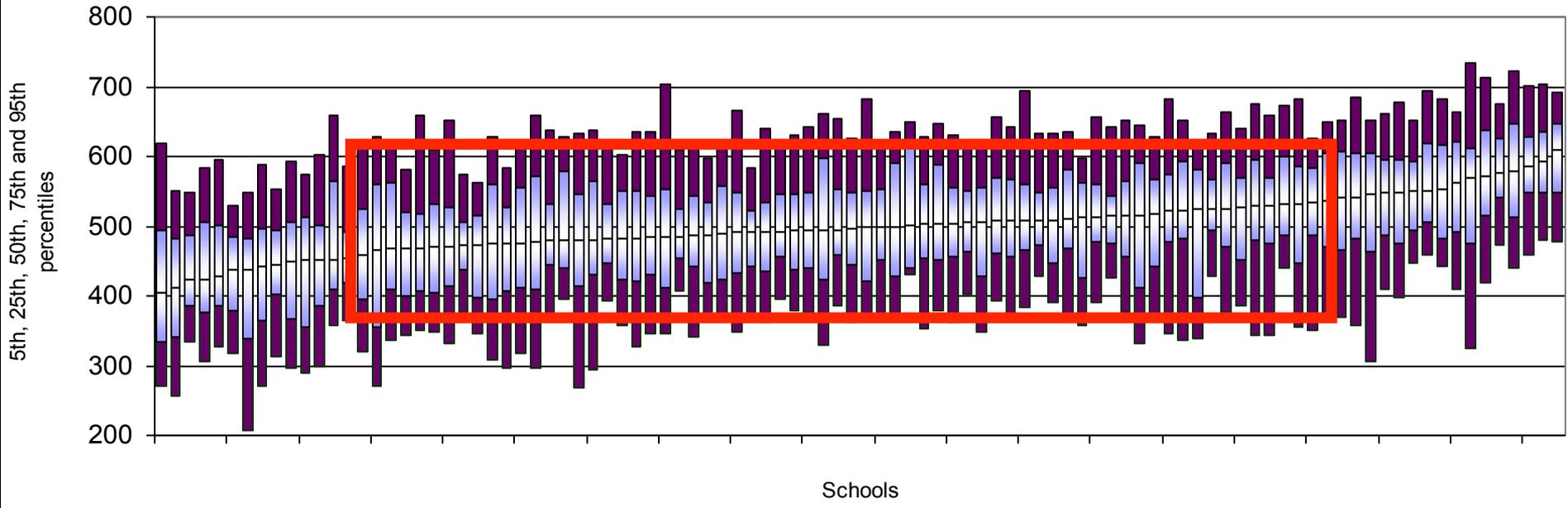


# Deprivation and attainment

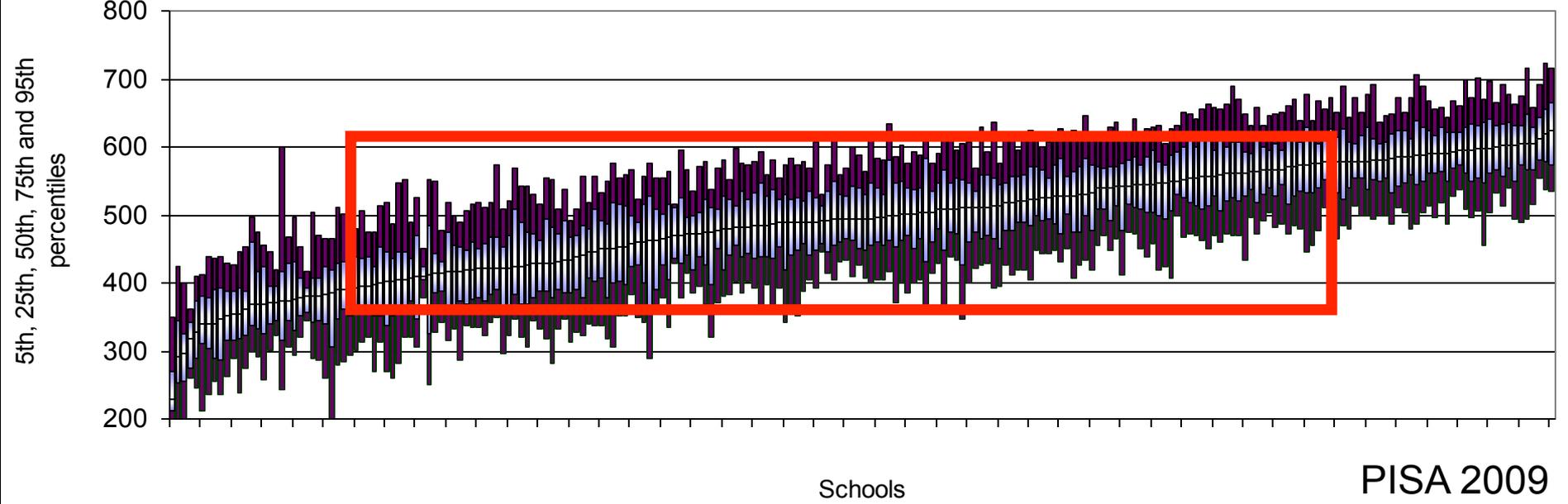
- Attainment in S4, the last year of compulsory education has increased over the past 8 years
- The gap between pupils in the most deprived and least deprived deciles has not closed



Reading Performance - Scottish Schools 2009



Reading Performance - German Schools 2009

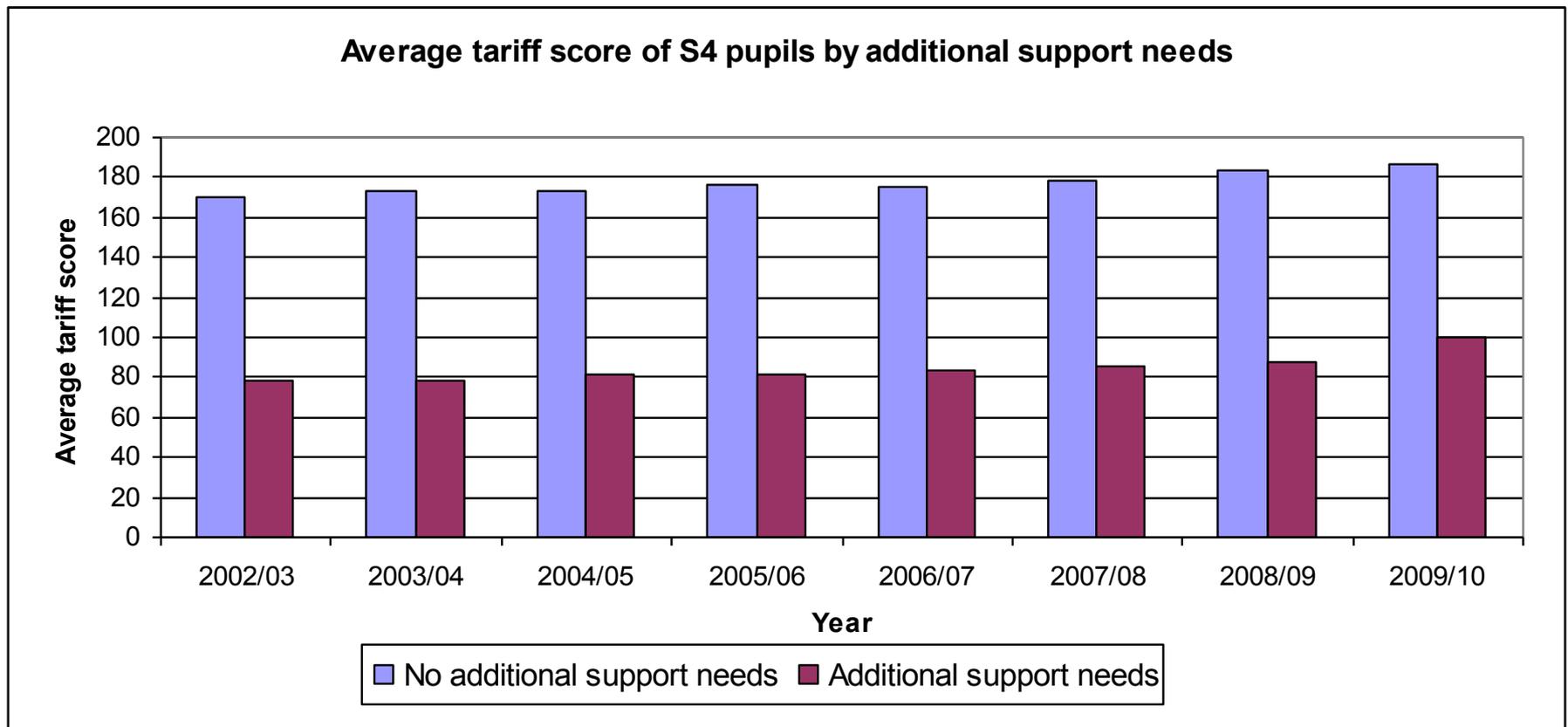


# Pupils with additional support needs

- In September 2011, in publicly funded schools, there were 98,523 pupils (just under 15% of the pupils population) with an additional support need recorded.
- The vast majority (93%) of these pupils were in mainstream schools and 88% were fully integrated within mainstream classes.
- 6,973 pupils (just 7% of those with an Additional Support need) were in publicly funded special schools.
- Over the past 3 years, as the collection of information has been widened to include pupils with other non-statutory additional support, the number of pupils with an additional support need recorded has increased from 44,176 in 2009 to 98,523 in 2011.
- Over the last 3 years, the number of pupils in publicly funded special schools has increased slightly from 6,673 in 2009 to 6973 in 2011.
- Limited information is currently published on the attainment of pupils in special schools

# Attainment and pupils with additional support needs

- Attainment in S4, for pupils with additional support needs has increased over the past 8 years
- However, the gap between these pupils and those with no additional support needs recorded has not closed

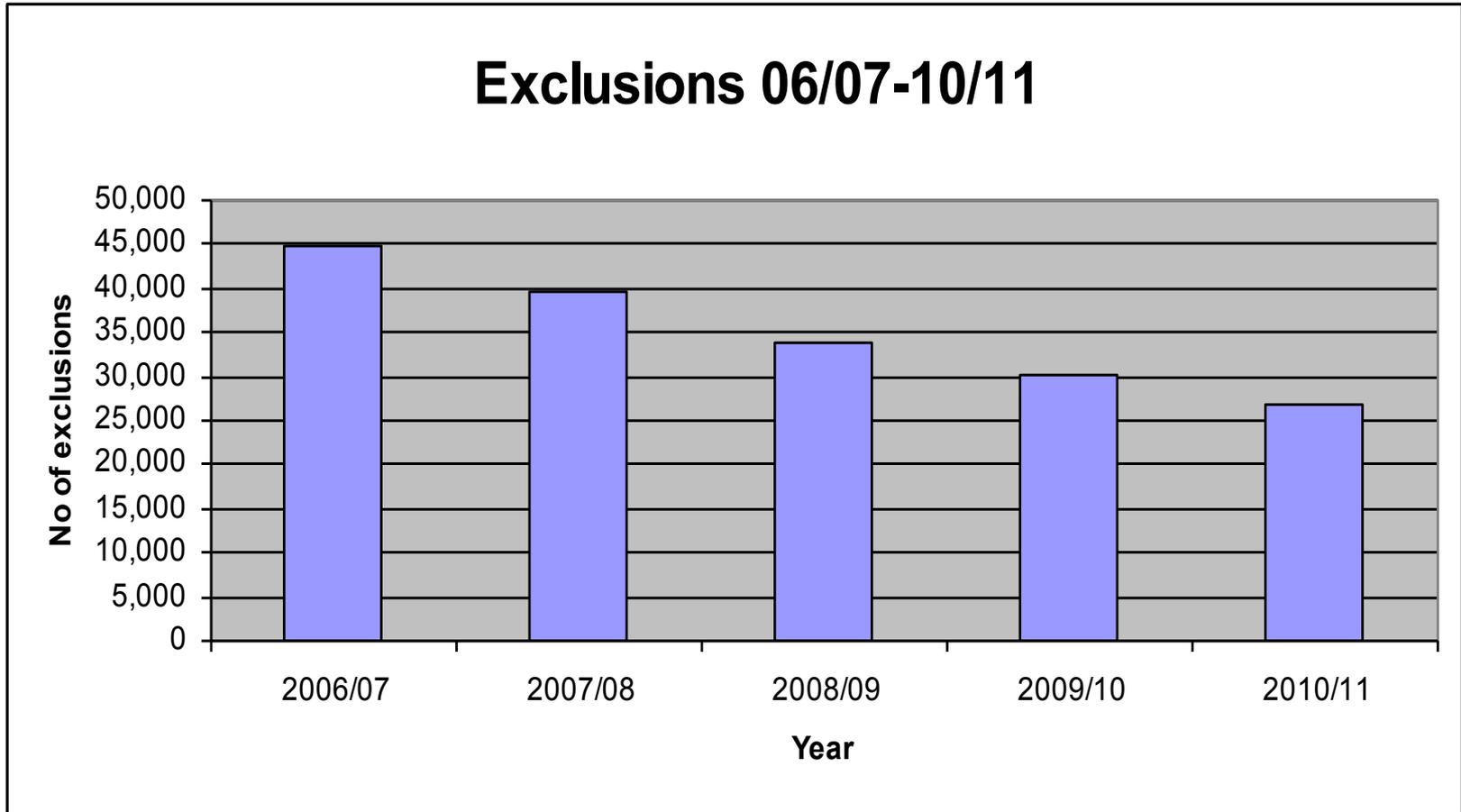


# The Challenge

## Attainment of Looked After Children

	<b>All pupils</b>	<b>Looked After</b>
% overall school attendance	93.2	87.8
Overall exclusion rate (per 1,000)	45	365
Average tariff score for school leavers	372	67
% in positive destination at initial survey	87	59
% in positive destination at follow up survey	85	44

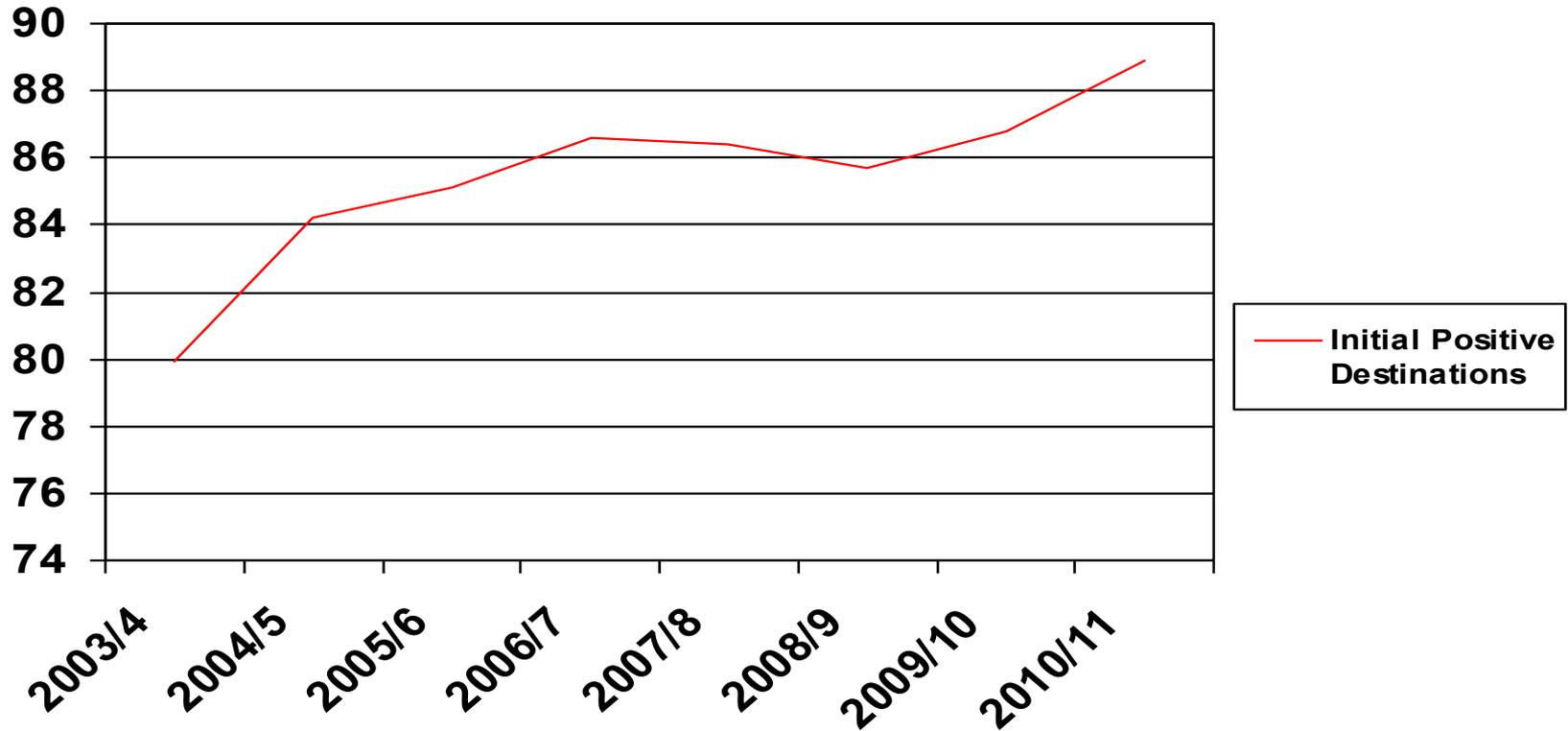
# Some Successes



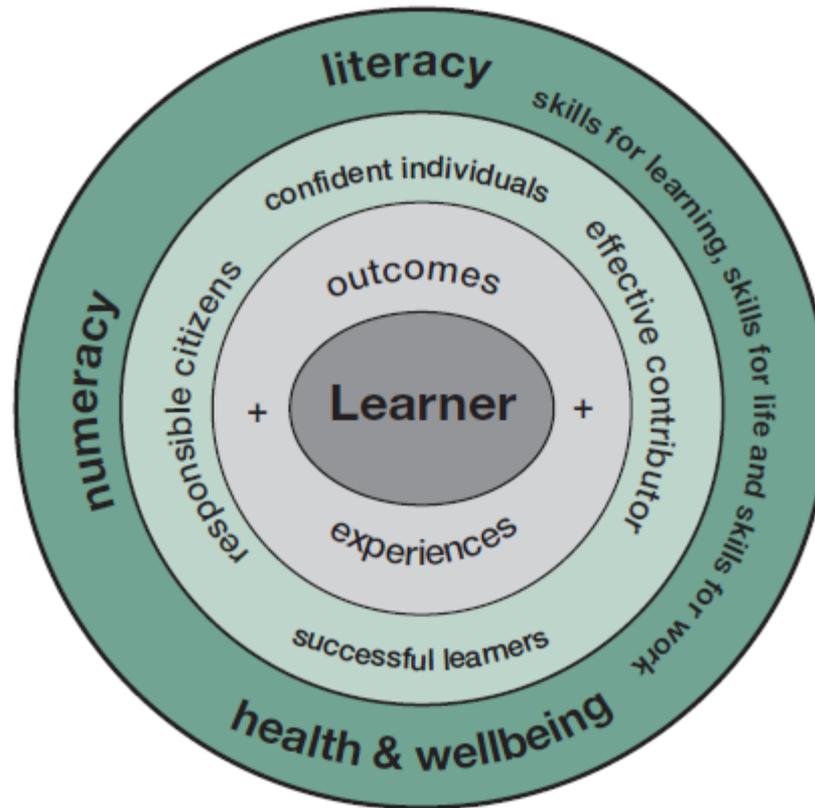
- 40% reduction from peak in 2006/07

# Some Successes

## School Leaver Initial Destinations (SLDR)



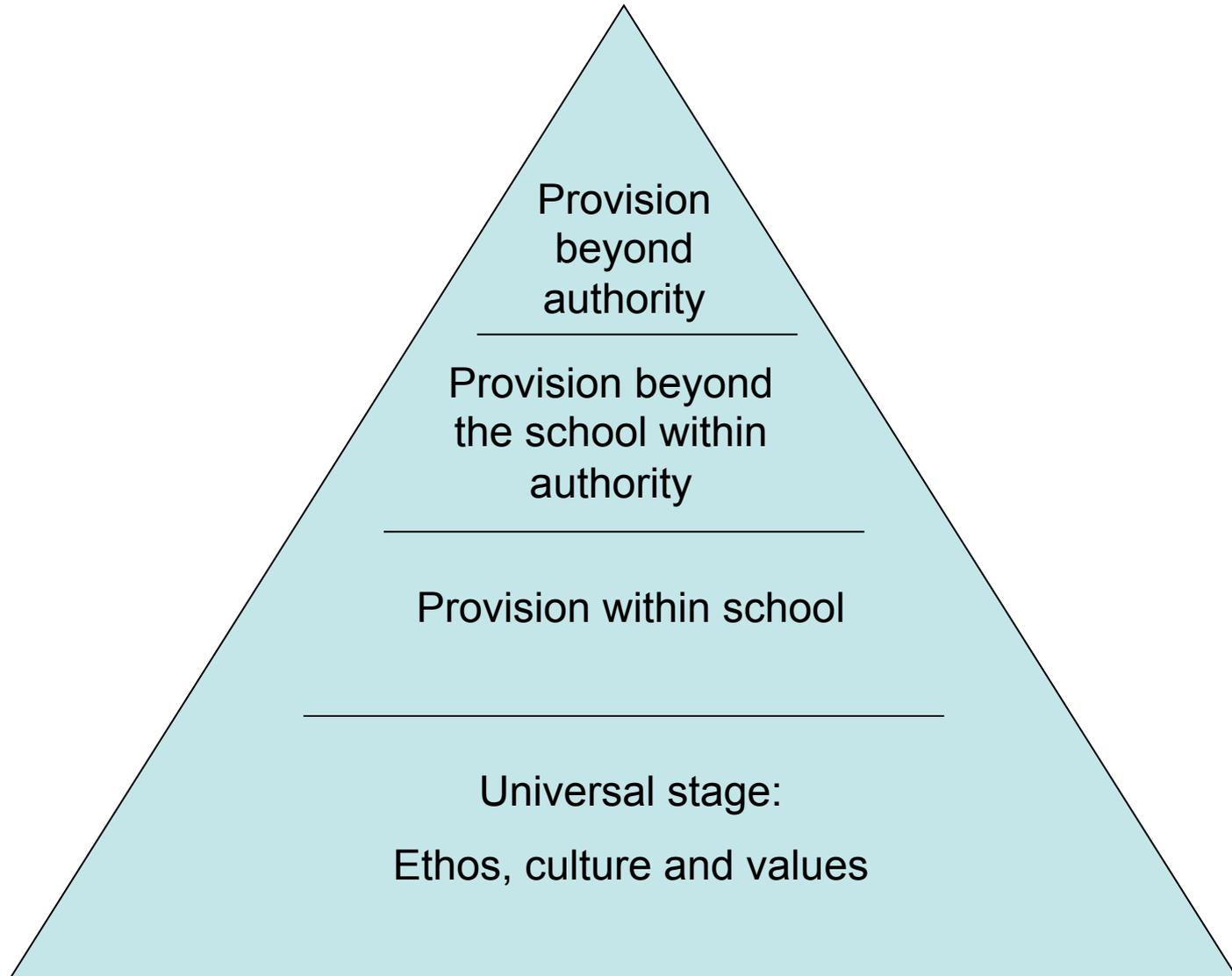
# Curriculum for Excellence



## Donaldson Review of Teacher Education in Scotland:

- “the foundations of successful education lie in the quality of teachers and their leadership. High quality people achieve high quality outcomes for children.”
- “We need teachers who can understand the broader context within which they are working. . . That means recognising and tackling 'wicked', persistent issues and having the confidence and capacity to do so successfully.”

# Staged Intervention Model



# The School Years

## **Real Challenges**

- Deprivation and its persistent link with poor educational attainment
- Looked After Children

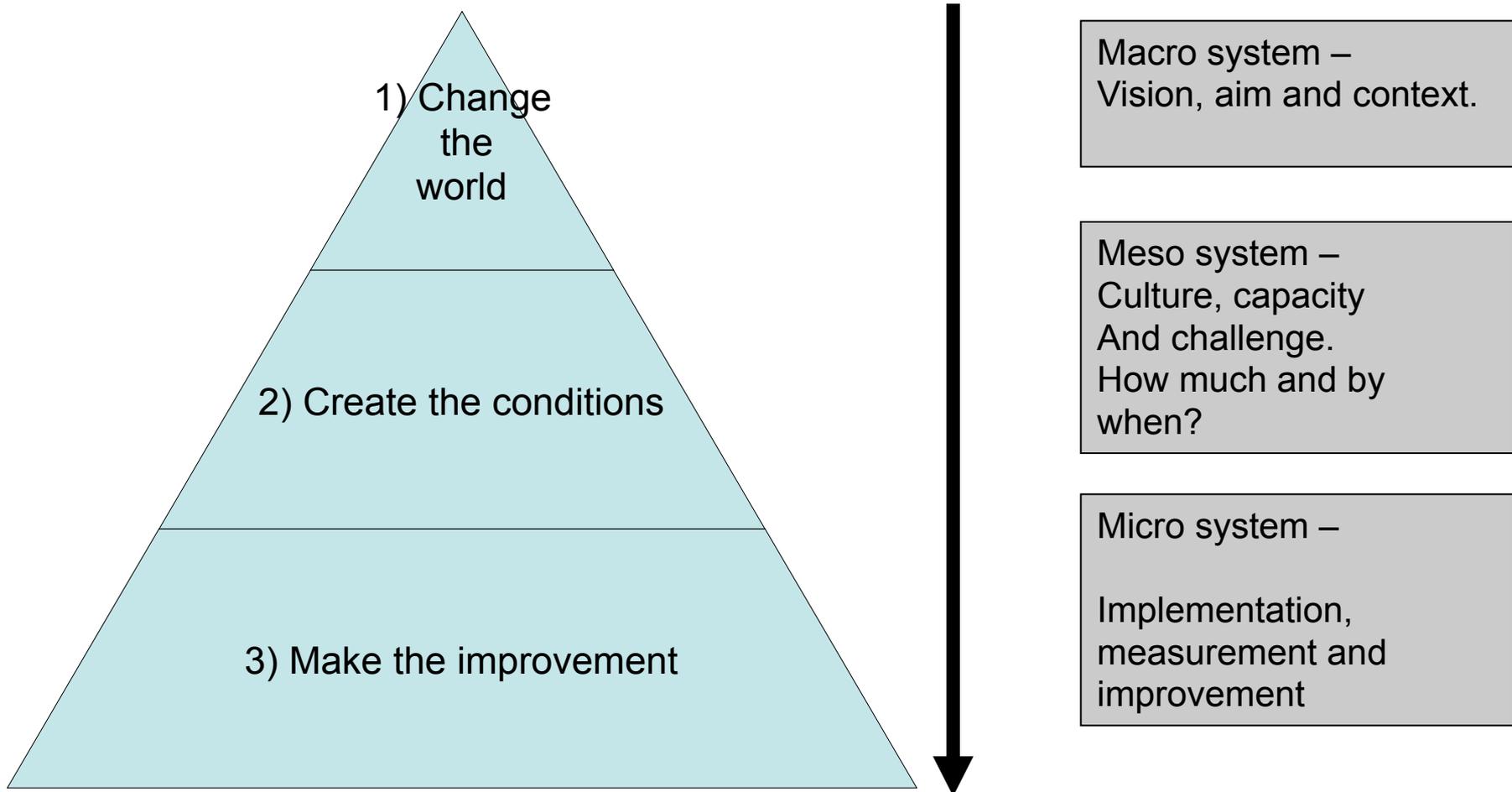
## **Successes**

- Reduction in exclusions
- Increase in positive destinations
- Educational attainment results (relative to other countries) improving

## **Key Elements of Approach**

- Curriculum for Excellence
- School Leaders/Quality of teaching
- Staged innovation/GIRFEC
- Evidence based on measuring what we value – evidence at local levels for local use
- A culture of responsible autonomy throughout the whole system

# The 3-step Improvement Framework for Scotland's public services



## **Step 1 - 7 points to change the world**

- A compelling vision
- A story
- Actions/ Stepping stones
- Securing the improvement
- Engaging the workforce
- Making the change work locally (everywhere)
- Resilience and authorisation provided by a guiding coalition

## Step 2 - Creating the conditions

- This is the meso-system's role: Capacity and capability building,
- It must communicate the changes, empower the citizens and workforce, model and change the culture.

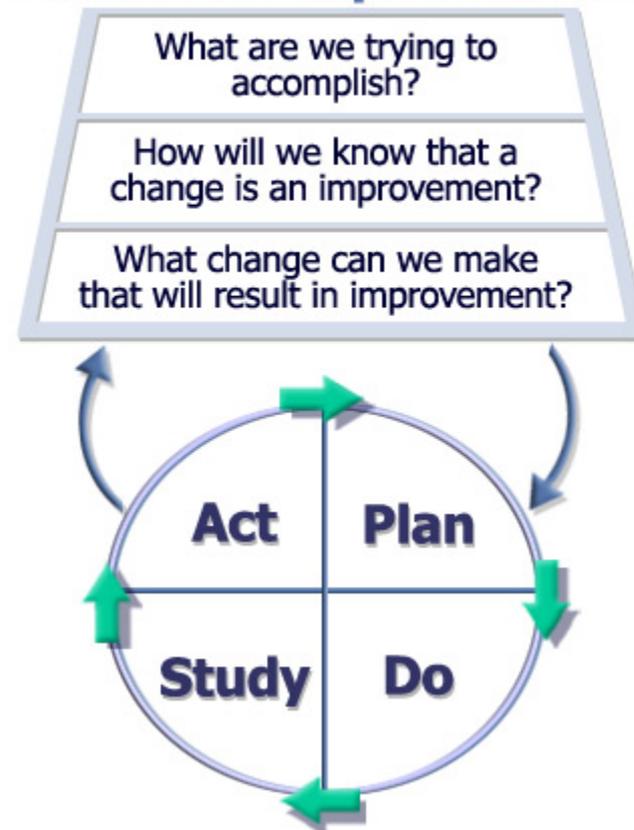
The six questions to be asked of EVERY change programme:

- 1) Does everyone in the system know what we are trying to achieve?
- 2) Are we prioritising the improvements likely to have the biggest impact on the aim and stopping those that have little impact?
- 3) Is everyone clear about the means of securing improvement towards our aim?
- 4) Are we able to measure and report progress on our aim?
- 5) Do we know how and where to deploy resources when improvement is slower than required?
- 6) Do we have a way of testing and innovating and then spreading new learning?

## Step 3 - Executing the change

- This is the micro-system's role: all improvement is local.
- Will and ideas are not enough at this level – we need execution. We need a theory of change and the ability to test and implement the changes.

### Model for Improvement



- There are many change theories and models. We must choose a small number of improvement methods and stick with them for the long haul.
- They must all be based on the simple formula of aims/measures and changes.
- Our selection may be;
  - Collaboratives
  - Benchmarking and competition
  - User/ Community empowerment
  - Performance management
- The choice must be explicit and evidenced.