

#### Cherry Blossom Financial Literacy Institute 10<sup>th</sup> April 2015





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Georgios A. Panos (University of Glasgow, Adam Smith Business School)
Robert E. Wright (University of Strathclyde, Business School)

## Some starting points

- ➤ OECD (2013): integrating financial education into the school curriculum as early as possible in a flexible manner methods and criteria to evaluate progress and impact top-down and bottom-down approaches, e.g. from government to teachers, parents and communities
- ➤ Hanushek and Woessmann (2008, JEL): There is strong evidence that the cognitive skills of the population rather than mere school attainment are powerfully related to individual earnings, to the distribution of income, and to economic growth
  - New empirical results show the importance of both minimal and high level skills, the complementarity of skills and the quality of economic institutions, and the robustness of the relationship between skills and growth

## Numeracy skills in the UK and Scotland

#### > Low levels of numeracy among adults in the UK

- Skills for Life 2011; PIAAC 2014; National Numeracy YouGov Survey 2014
- "Low numeracy": those below Level 2 on the UK adult qualifications scale
- 2011, Skills for Life survey: Across the UK, around *4 in 5 adults* have a low level of numeracy
- Numeracy skills declined in the 8 years from 2003, whereas literacy improved
- 17 million adults in England are working at a level roughly equivalent to that expected of children at primary school
- Around 30% of the people who rated their skills as "very good" performed poorly
- The maths they are taught at school does not necessarily overlap with the maths that can best help them later in life
- 16% of the population are unable to identify the available balance on a bank statement while 1 in 10 cannot identify the better deal
- Staggeringly, just over half of those surveyed did not make a budget

## Youth numeracy in the UK and Scotland

#### **Low youth performance on PISA 2012 scores**

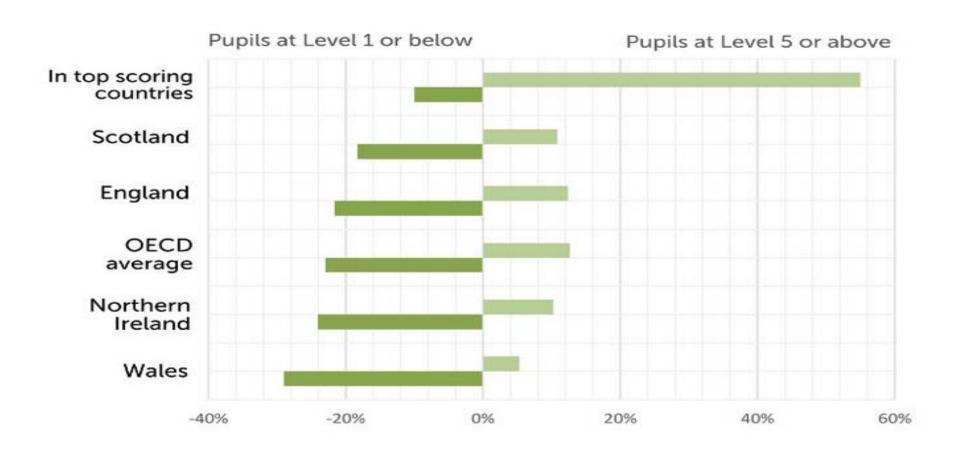
- UK children, like the adults, were performing at an average level
- Compared with top scoring countries, the UK had more than 2 times more children performing poorly and a very low percentage of top scorers

#### > Some outcomes: Employment; high wages; health; deprivation

- In OECD reports and the UK basic skills reports, the correlation between poor numeracy and poor health is clear in the data
- 2008, KPMG's report on the cost of poor numeracy estimated the wage premium is on average 10%
- Recent data by the OECD has shown that there is a direct relationship between wage distribution and numeracy skills
- Across a number of reports it is also evident that there are significantly higher rates
  of low numeracy amongst the unemployed
- Bynner (3) analysed the social and economic circumstances of the participants in the UK Cohort study and discovered that, in a number of ways, low numeracy is an especially strong predictor for long-term deprivation

## Motivation: UK and Scotland - Numeracy

#### A Long Tail of Under-Achievement



Source: OECD (2013) - PISA

#### What we do

- ➤ We examine financial literacy among 11-18 year-olds in Scotland
  - Using a novel representative school survey of 2,016 students across 55 schools and 103 classes
- We examine the role of student, class and school characteristics, based on insights from the labour/education economics literature

### Insights from education/labour/health economics

#### > School characteristics & educational attainment

- Hanushek (1986, JEL): Teacher skills matter more than anything else for educational attainment
- Angrist and Lavy (1990, QJE): Maimonides' rule and reducing class size induces a significant and substantial increase in test scores for fourth and fifth graders, although not for third graders
- Dustmann et al. (2003, EJ): Positive effect of class size on staying at school at 16 and later wages
- Knoth-Humlum and Smith (2014, IZAdp): Small effect of school size on later-in-life labour market outcomes in Denmark, driven mostly by boys, urban area residents, and children of families with low educational attainment
- Krueger (2003, EJ): Variable class-size reduction effects, dependent on study weighting
- Rivkin et al. (2005, E'trica): Teacher quality has powerful effects on reading and mathematics achievement, although little of the variation is explained by education or experience. Teacher quality matters more than class –size reduction

#### > Deprivation and educational attainment

- Zimmermann (2003, ReStat): Small, but significant peer effects are almost always linked more strongly with verbal SAT scores than with math SAT scores
- **Leventhal and Brooks-Gunn (2000, PsychB):** Neighborhood characteristics and child outcomes and suggests the importance of high socioeconomic status (SES) for achievement and low SES and residential instability for behavioural/emotional outcomes

### Education and health outcomes

Cutler and Lleras-Muney (2006, NBER): Persistent effects of education on health outcomes, across gender, race. Stronger patterns at young age. Income and occupational differences explain only part of the education effect. Suggestion that increasing levels of education lead to different thinking and decision-making patterns

#### Education and smoking

- **Grimard and Parent (2007, JHE):** A quasi experiment inferring causation on smoking
- De Walque (2007, JHE): Education does affect smoking decisions: educated individuals are less likely to smoke, and among those who initiated smoking, they are more likely to have stopped
- Aizer and Stroud (2010, NBER): strong positive effect of education and peer effects on smoking reduction upon motherhood
- Alexander et al. (2001, AH): School environments are important contexts for understanding peer group influences on adolescent cigarette smoking
- De Walque (2010, JHR); Eide & Showalter (2011, EEdR); Gilman et al. (2007, IJEpidem); Kenkel et al. (2006, NBER):

#### <u>Time preferences and other factors</u>:

- Fersterer & Winter-Ebmer (2003, EEdR); Kenkel et al. (2006, NBER); Tenn et al. (2010, JHE)
- **De Cicca et al. (2002, JHR):** Weak or nonexistent tax effects in models of the onset of smoking between grades 8-12. Students who eventually drop out of school are already more likely to smoke in the 8<sup>th</sup> grade

### The data

- Young People in Scotland Survey 2014
  - By: Ipsos MORI Scotland
  - 55 schools 103 classes
  - Representative survey data collection Weights
  - Demographic-socioeconomic data
  - Attitudes
  - +++ Financial literacy
- Basic feature: Enabled matching with school, district, zip-code characteristics

### The data: SIMD

#### SIMD2012: The Scottish Index of Multiple Deprivation

- The Scottish Government's official tool for identifying places in Scotland suffering from deprivation
- It incorporates several different aspects of deprivation, combining them into a single index
- It divides Scotland into 6,505 small areas, called datazones, each containing around 350 households
- The Index provides a relative ranking for each datazone, from 1 (most deprived) to 6,505 (least deprived)
- By identifying small areas where there are concentrations of multiple deprivation, the SIMD can be used to target policies and resources at the places with greatest need
- Seven SIMD domains are identified and data from these domains are combined to produce the index
- Multiple deprivation is defined as the range of problems that arise due to lack of resources or opportunities, covering health, safety, education, employment, housing and access to services and financial aspects

## Data advantages

- Class, school, and local authority (administrative region) FE
- Multiple deprivation indicators, detailed down to the ZIP-code, both at the school and the residence level
- A first assessment of FL among students anywhere in the UK, using standard FL-questions
- > Ages 11 17/18

### Data limitations

- > Student performance? ... Not allowed @
- > Teacher quality / financial experience
  - Would be amazing
  - Next time???
- ➤ Family background? ... Not allowed ⊗
- > FL Risk question ? ... Not allowed 🕾
- Restrictions on using full survey, due to government confidentiality clauses, conflicts of interest with other parties/academics

#### Q1: Numeracy

Suppose you had £100 in a savings account and the interest rate was 2% per year. After 5 years, how much do you think you would have in the account if you left the money to grow?

- (1)  $\Box$  More than £102
- (2) **□** Exactly £102
- (3) **Less than £102**
- (4) Don't know

#### Q2: Inflation

Imagine again that you have £100 in a bank account. The interest rate for this account is 1% per year and inflation is 2% per year. After 1 year, how much would you be able to buy with the money?

- (1) More than today
- (2) 

  Exactly the same
- (3) Less than today
- (4) Don't know

### Q3: Inflation/Money Illusion

Suppose that by this time next year, the money that you earn or get from your parents has doubled and the prices of all the things you like to buy have also doubled. By this time next year, how much will you be able to buy assuming you buy the same things?

- (1) 

  More than today
- (2) 

  Exactly the same
- (3) Less than today
- (4) Don't know

#### Q4: Sales discounts

Let's assume that you saw a TV-set of the same model on sale in two different shops. In both shops the price is £1,000. One shop offers a discount of £150, while the other one offers a 10% discount. Which discount is the best bargain?

- (1)  $\Box$  A discount of £125
- (2) **A** 10 % discount
- (3) The prices are the same in both stores
- (4) Don't know

#### **Q5: Compound Interest**

Suppose you had £100 in a bank account and the interest rate of the account was 20% per year. You do not spend any of the money. After five years, how much would you have?

- (1) **U** More than £200
- (2) **□** Exactly £200
- (3) **Less than £200**
- (4) Don't know

### Q6: Time Value of Money

A friend is given a £10,000 gift from their grandparents. His younger sister will be given the same amount in 3 years. Who will be richer?

- (1) 

  My friend
- (2) 

  His younger sister
- (3) 

  They will be equally rich
- (4) Don't know

## **Summary statistics**

- Low levels of financial literacy
  - Average 2.2 correct responses out of 6
  - Expectedly lots of DK average 2.1 out of 6
- Significant gender differences
  - Overall and across all 6 questions
  - Males more likely to be both right... (and wrong...?)
  - > Females more likely to reply DK
  - Persistent across different years of schooling
- > Age profile: Major rises in FL at ages 13 and 16
- > Year of schooling: Major rises at S2 and S5
- ➤ Ethnicity: UK and Scottish more FL, compared to other ethnicities

# Financial literacy responses

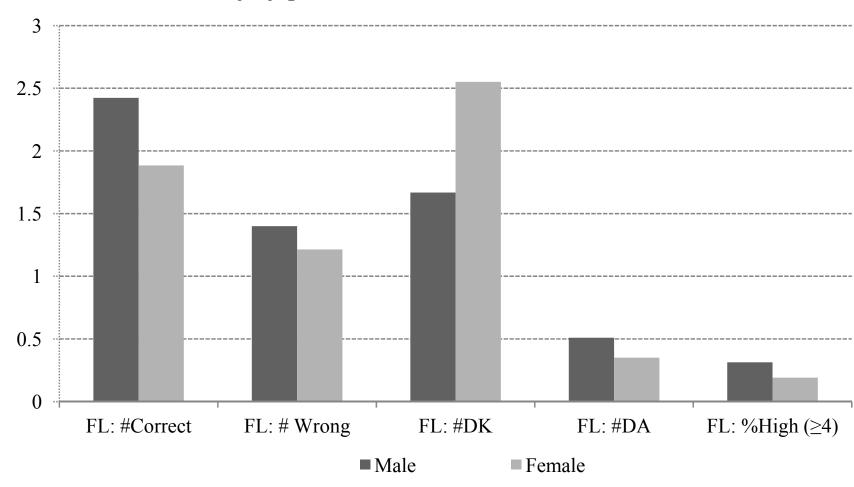
**Table 1**Financial-literacy response statistics

	#Correct	#Wrong	#DK	#DA	<b>FL: High (≥4)</b>
Average	2.152	1.306	2.114	0.429	25.16%
Numeracy	52.65%	12.03%	29.66%	5.66%	-
Money illusion	19.97%	20.45%	52.85%	6.73%	-
Inflation	40.16%	18.25%	34.84%	6.75%	-
Discounts	56.73%	9.83%	26.12%	7.31%	-
Compounding	28.38%	26.06%	37.46%	8.10%	-
Inheritance	17.26%	43.97%	30.42%	8.35%	

Notes: Weighted summary statistics at the Scottish population level, based on 2,016 observations.

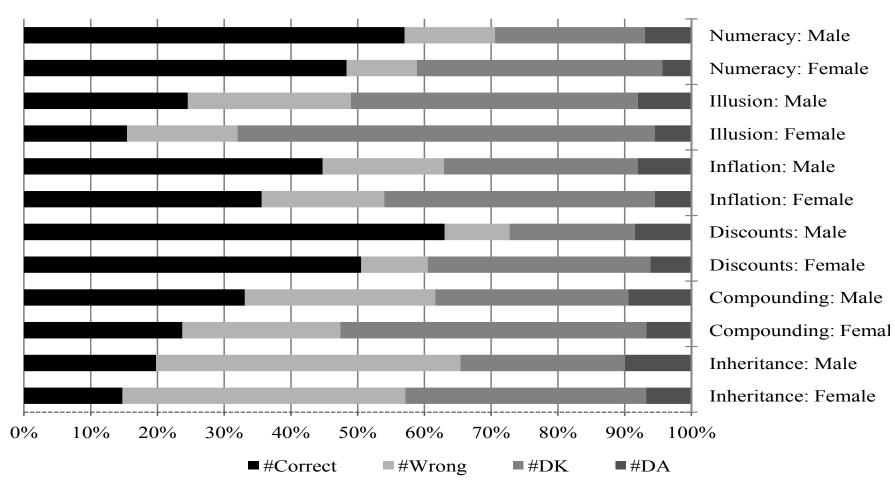
# Financial literacy by gender

Panel A: Financial literacy by gender



## Financial literacy by gender

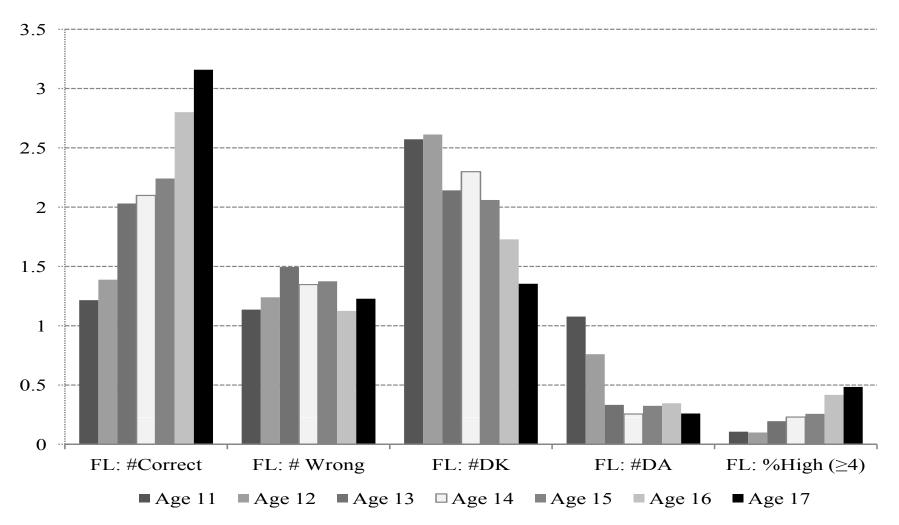
Panel B: Financial-literacy components by gender



#### Notes:

Weighted summary statistics at the Scottish population level.

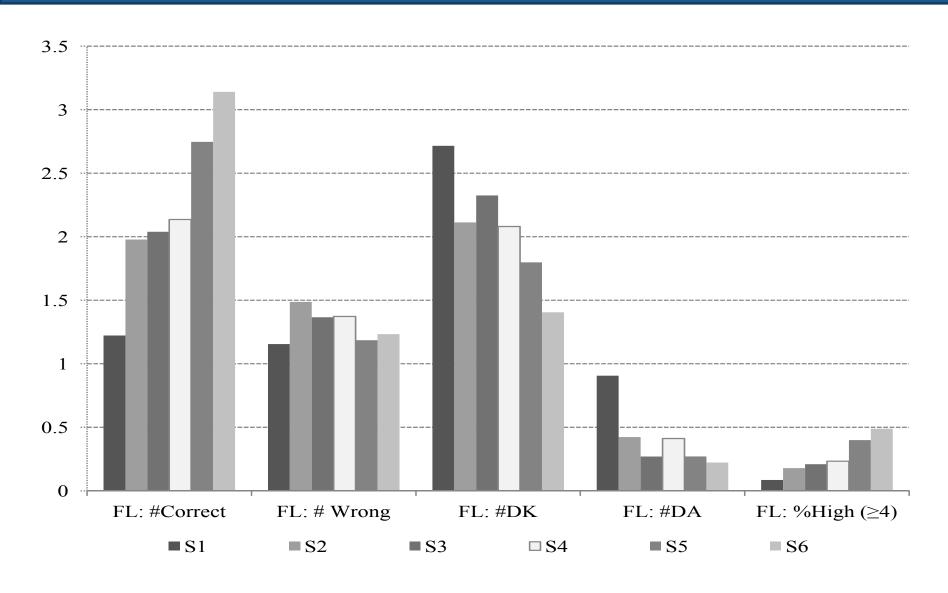
# Financial literacy by age



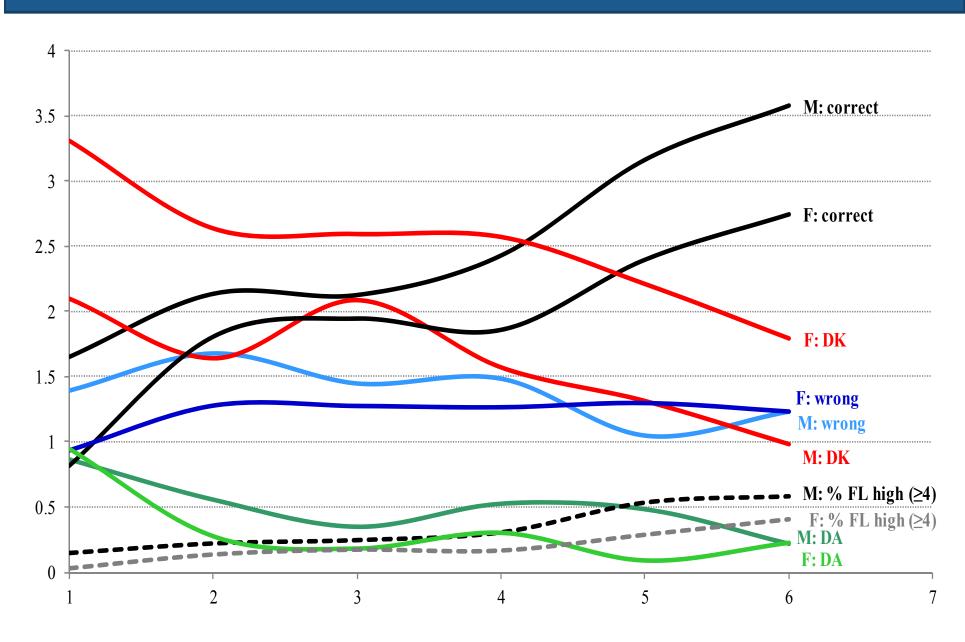
#### Notes:

Weighted summary statistics at the Scottish population level.

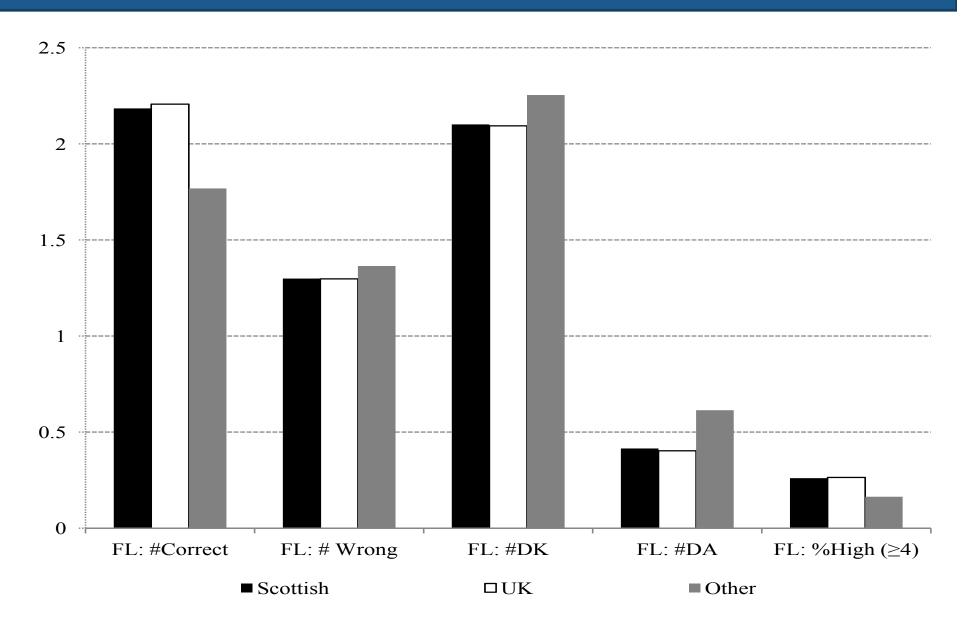
# Financial literacy by year of schooling



# Financial literacy by gender/year of schooling



# Financial literacy by ethnicity



## Summary of main regression results

#### **Individual effects**

- Men more likely to have a higher number of correct responses
  - Result persistent across all 6 questions
- Nationalities other than UK are less financially literate
  - Effect in the magnitude of 15-20%
- Major rises in financial literacy at years S2 and S5 of the schooling system

#### **School effects**

- Schools with higher free-school-meal proportions score lower on financial literacy
- Schools with higher fractions of ethnic minorities score lower on financial literacy
- Mostly non-robust and inconsistent evidence on the effect of school and class size
  - Smaller schools appear to be doing somewhat better
- Schools ranking higher (better) on multiple deprivation-area index have higher financial literacy scores – residential area effects appear insignificant
- The difference between school and residential area in terms of SIMD2012 exerts a large significant impact on financial literacy scores – 15% effect (upward mobility?)

# Individual characteristics and financial literacy

	Poisson	Poisson	Poisson	Poisson	Poisson	OLS	<u>Tobit</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Male	0.280***	0.261***	0.279***	0.285***	0.289***	0.625***	0.776***
	[0.045]	[0.044]	[0.045]	[0.045]	[0.046]	[0.109]	[0.138]
Ethnicity: Scottish	-0.128**	-0.138**	-0.119*	-0.072	-0.064	-0.194	-0.195
	[0.065]	[0.064]	[0.065]	[0.069]	[0.069]	[0.184]	[0.220]
Ethnicity: Other	-0.287***	-0.272***	-0.260***	-0.212**	-0.205**	-0.455**	-0.505*
	[0.086]	[0.085]	[0.086]	[0.090]	[0.089]	[0.215]	[0.260]
Economics background	0.068	0.065	0.063	0.050	0.040	0.071	0.130
	[0.050]	[0.050]	[0.050]	[0.049]	[0.048]	[0.107]	[0.137]
School year S2	0.488***	-	0.467***	0.401**	0.339***	0.021	1.095***
	[0.099]		[0.155]	[0.161]	[0.081]	[1.226]	[0.204]
School year S3	0.557***	-	0.656***	0.658***	0.606**	0.465	1.666**
	[0.106]		[0.172]	[0.192]	[0.264]	[1.331]	[0.675]
School year S4	0.572***	-	0.812***	0.755***	0.684***	0.707	2.113***
	[0.107]		[0.201]	[0.224]	[0.197]	[1.292]	[0.518]
School year S5	0.842***	-	1.115***	1.086***	0.646**	0.459	1.847**
	[0.111]		[0.222]	[0.251]	[0.259]	[1.354]	[0.744]
School year S6	0.926***	-	1.174***	1.187***	0.910***	1.167	2.708***
-	[0.101]		[0.232]	[0.261]	[0.230]	[1.405]	[0.648]
Age: 12	_	0.086	-0.013	0.01	-0.013	-0.084	-0.105
		[0.134]	[0.130]	[0.126]	[0.122]	[0.160]	[0.277]
Age: 13	-	0.488***	0.02	0.069	0.059	0.046	-0.074
		[0.140]	[0.176]	[0.171]	[0.173]	[0.297]	[0.425]
Age: 14	-	0.530***	-0.14	-0.092	-0.069	-0.196	-0.394
		[0.146]	[0.202]	[0.207]	[0.212]	[0.404]	[0.549]
Age: 15	_	0.569***	-0.286	-0.269	-0.198	-0.489	-0.775
		[0.151]	[0.206]	[0.213]	[0.217]	[0.421]	[0.567]
Age: 16	_	0.794***	-0.282	-0.276	-0.175	-0.404	-0.633
8		[0.147]	[0.232]	[0.239]	[0.248]	[0.539]	[0.682]
Age: 17	_	0.899***	-0.243	-0.243	-0.177	-0.36	-0.494
8		[0.145]	[0.245]	[0.257]	[0.264]	[0.605]	[0.766]
Age: 18	_	0.958***	-0.192	-0.066	0.229	0.412	0.466
8		[0.195]	[0.279]	[0.276]	[0.299]	[0.681]	[0.852]
Resid. condition: Very good	0.462**	0.358	0.431*	0.387	0.32	0.634	0.626
	[0.221]	[0.238]	[0.247]	[0.240]	[0.241]	[0.446]	[0.488]
Resid. condition: Fairly good	0.464**	0.368	0.429*	0.391	0.318	0.622	0.612
regia. contanion. rumiy good	[0.226]	[0.244]	[0.251]	[0.243]	[0.244]	[0.457]	[0.504]
Resid. condition: Neither good nor bad	-0.021	-0.121	-0.034	-0.024	-0.041	-0.015	-0.399
condition . I toldier good not bud	[0.221]	[0.235]	[0.241]	[0.229]	[0.223]	[0.402]	[0.458]
Resid. condition: Fairly bad	0.418	0.349	0.371	0.357	0.351	0.684	0.646
uu	[0.259]	[0.278]	[0.266]	[0.252]	[0.252]	[0.495]	[0.603]
Urbanisation FE	+	+	+	+	+	+	+
Residence FE (Local authority)	+	+	+	+	+	+	+
School FE	_			+	+	+	+
Class FE	_	-		_	+	+	+
No. of Observations	1,945	1,933	1,933	1,933	1,933	1,933	1,933

# School characteristics and financial literacy

	Poisson	Poisson	Poisson	Poisson	OLS	Tobit
	(1)	(2)	(3)	(4)	(5)	(6)
Full-time equivalent (FTE)	0.073	0.145**	0.127**	-0.017	-0.038	-0.034
	[0.065]	[0.060]	[0.057]	[0.042]	[0.089]	[0.123]
Free school meals (% registered)	-0.003	-0.046***	-0.055***	-0.024*	-0.068**	-0.096**
	[0.019]	[0.016]	[0.019]	[0.013]	[0.029]	[0.039]
Catholic denomination	0.152	0.672***	0.613***	0.207	0.23	0.507
	[0.210]	[0.130]	[0.203]	[0.145]	[0.256]	[0.385]
Capacity	0.007	-0.008	-0.016**	-0.003	-0.004	-0.005
	[0.006]	[0.007]	[0.007]	[0.005]	[0.010]	[0.014]
Urbanisation/School: Accessible Rural	0.116	-0.056	0.029	-0.468***	-0.782**	-1.114**
	[0.300]	[0.284]	[0.286]	[0.181]	[0.364]	[0.520]
Urbanisation/School: Accessible Small Tow		-0.598**	-0.109	-0.153	-0.655	-0.732
	[0.302]	[0.257]	[0.339]	[0.286]	[0.468]	[0.677]
Urbanisation/School: Other Urban Areas	0.564*	0.325	0.511*	0.130	0.400	0.648
	[0.309]	[0.242]	[0.287]	[0.237]	[0.422]	[0.598]
Urbanisation/School: Remote Rural	0.68	0.277	0.968**	0.426	0.460	0.738
	[0.420]	[0.347]	[0.483]	[0.441]	[0.641]	[0.957]
Urbanisation/School: Remote Small Towns	0.204	0.282	-0.047	-0.105	-1.146	0.124
	[0.389]	[0.259]	[0.327]	[0.310]	[0.755]	[0.792]
School size: 2	-1.105***	-1.489***	-1.786***	-0.808***	-0.870**	-1.704***
Selfoof Size: 2	[0.300]	[0.397]	[0.314]	[0.273]	[0.367]	[0.558]
School size: 3	-0.975***	-0.970**	-1.015***	-0.289	-0.301	-0.821
Selicor Size. 3	[0.328]	[0.404]	[0.387]	[0.220]	[0.478]	[0.674]
School size: 4	-0.778***	-0.791***	-0.723**	-0.344*	-0.478	-0.846
School Size. 4	[0.274]	[0.305]	[0.295]	[0.176]	[0.387]	[0.544]
School size: 5 (largest centile)	-1.193***	-1.495***	-1.271***	-0.409	-0.347	-0.884
School size. 5 (largest centure)	[0.375]	[0.416]	[0.439]	[0.251]	[0.505]	[0.716]
Class size: 11-15	-0.330***	-0.296***	-0.280***	0.041	0.082	0.138
Class size. 11-13	[0.120]	[0.110]	[0.105]	[0.108]	[0.253]	[0.321]
Class size: 16-20	-0.344**	-0.314**	-0.332***	0.098	0.135	0.228
Class size. 10-20	[0.136]	[0.128]	[0.122]	[0.138]	[0.308]	[0.415]
Class size: 21-25	-0.364**	-0.371***	-0.316**	-0.08	-0.197	-0.159
Class size. 21-23	[0.151]	[0.136]	[0.137]	[0.121]	[0.275]	[0.372]
Class size: 26-30	-0.319***	-0.301***	-0.301***	0.171	0.225	0.399
Class size. 20-30	[0.114]	[0.111]	[0.106]	[0.109]	[0.248]	[0.330]
School condition: B	0.126	[O.111] -	-0.039	0.064	0.299	0.237
School condition: B	[0.155]	_	[0.133]	[0.094]	[0.182]	[0.264]
School condition: C	0.569**	_	1.019***	0.399	0.297	0.469
sensor condition. C	[0.279]	_				
School condition: D	0.259	_	[0.376] 0.176	[0.382] 0.04	[0.620] -0.987*	[0.8 <i>57</i> ] -1.198
School condition: D		-		[0.321]		
Galaca Lagranda D	[0.477]	0.055*	[0.334] -0.249**		[0.546]	[0.788]
School suitability: B	-	-0.255*		-0.155	-0.354*	-0.355
		[0.136]	[0.120]	[0.102]	[0.181]	[0.268]
School suitability: C	-	0.771***	0.849***	0.567***	0.805**	1.377***
		[0.228]	[0.208]	[0.214]	[0.392]	[0.525]
School suitability: D	-	0.018	-1.167*	-0.545	-0.971	-1.358
		[0.319]	[0.606]	[0.508]	[0.926]	[1.303]
School minority: 0-5%	0.007	0.596	0.973***	0.618**	0.687*	1.285**
	[0.400]	[0.376]	[0.350]	[0.247]	[0.401]	[0.572]
School minority: 5 -10%	0.411	1.005***	1.572***	0.948***	0.991**	1.805***
	[0.401]	[0.367]	[0.336]	[0.358]	[0.485]	[0.699]
School minority: 10 -20%	0.497*	0.439*	0.586**	0.262	-0.001	0.331
	[0.283]	[0.238]	[0.229]	[0.185]	[0.297]	[0.448]
Individual characteristics	-	-	-	+	+	+
School region FE (Local Authority)	+	+	+	+	+	+
No. of Observations	1,944	1,944	1,944	1,932	1,932	1,932

# Financial literacy: Other categories

	Poisson		<u>Poisson</u>		<u>Poisson</u>	
	(1)		(2)		(3)	
	#Wrong responses		#DK responses		#DA responses	
SIMD 2012 rank by school postcode	0.029	[0.027]	-0.032	[0.033]	-0.764***	[0.160]
Residence rank-School rank≤0	0.020	[0.064]	-0.042	[0.059]	-0.520***	[0.189]
Full-time equivalent (FTE)	0.096**	[0.038]	-0.011	[0.058]	-0.226	[0.225]
Free school meals (% registered)	-0.032**	[0.016]	0.041**	[0.017]	-0.051	[0.071]
Catholic denomination	0.123	[0.141]	0.23	[0.196]	-0.609	[0.472]
Capacity	-0.006	[0.004]	-0.003	[0.007]	0.049**	[0.025]
Urbanisation/School: Accessible Rural	0.428	[0.276]	-1.384***	[0.336]	4.989***	[1.879]
Urbanisation/School: Accessible Small Towns	0.204	[0.263]	-0.023	[0.288]	3.033	[3.903]
Urbanisation/School: Other Urban Areas	0.384**	[0.181]	-0.820**	[0.338]	2.11	[1.663]
Urbanisation/School: Remote Rural	0.346	[0.332]	-0.226	[0.393]	1.217	[3.026]
Urbanisation/School: Remote Small Towns	0.518*	[0.279]	-0.581*	[0.306]	0.713	[1.531]
School size: 2	-1.109***	[0.198]	0.155	[0.279]	2.262***	[0.562]
School size: 3	-1.004***	[0.231]	0.693**	[0.334]	1.066	[1.231]
School size: 4	-0.638***	[0.181]	0.594**	[0.275]	-0.891	[0.932]
School size: 5 (largest)	-0.611**	[0.288]	0.243	[0.315]	0.104	[1.304]
Class size: 11-15	-0.173	[0.153]	-0.091	[0.160]	14.869***	[0.898]
Class size: 16-20	-0.121	[0.167]	-0.127	[0.213]	14.871***	[0.928]
Class size: 21-25	-0.168	[0.148]	0.187	[0.174]	14.374***	[1.098]
Class size: 26-30	0.006	[0.155]	-0.137	[0.163]	14.537***	[0.969]
School condition: B	-0.179**	[0.088]	-0.181	[0.121]	-0.339	[0.276]
School condition: C	0.272	[0.294]	-0.301	[0.379]	0.307	[2.708]
School condition: D	-0.868***	[0.292]	1.686***	[0.365]	0.567	[2.260]
School suitability: B	0.262***	[0.083]	-0.139	[0.134]	0.169	[0.404]
School suitability: C	0.550***	[0.123]	-0.302	[0.196]	-2.087	[1.306]
School suitability: D	-1.315***	[0.405]	0.845	[0.522]	1.024	[3.232]
School minority: 0-5%	1.167***	[0.194]	-0.053	[0.269]	-5.045***	[1.117]
School minority: 5 -10%	0.865***	[0.148]	0.163	[0.167]	-3.383***	[0.963]
School minority: 10 -20%	0.991***	[0.213]	0.062	[0.280]	-5.512***	[1.276]
Male	0.153***	[0.053]	-0.475***		0.466***	[0.176]
Ethnicity: Scottish	0.096	[0.102]	0.061	[0.120]	0.54	[0.486]
Ethnicity: Other	0.030	[0.130]	0.105	[0.129]	0.746*	[0.445]
Economics background	0.254***	[0.050]	0.029	[0.059]	-1.902***	[0.233]
House/flat: Very good condition	-0.449***	[0.172]	0.036	[0.288]	-0.133	[0.943]
House/flat: Fairly good condition	-0.484***	[0.172]	0.107	[0.294]	-0.471	[0.957]
House/flat: Neither good nor bad condition	-0.724***	[0.189]	0.297	[0.292]	0.228	[0.944]
House/flat: Fairly bad condition	-0.482	[0.328]	0.2	[0.307]	-3.158**	[1.557]
School year S2	0.246*	[0.126]	-0.365**	[0.153]	0.091	[0.423]
School year S3	0.302*	[0.171]	-0.565***	[0.180]	-0.504	[0.423]
School year S4	0.258	[0.171]	-0.466**	[0.180]	-1.175*	[0.662]
School year S5	0.238	[0.280]	-0.591**	[0.262]	-3.368***	[0.778]
	0.065		-0.591**		-3.368***	
School year S6	+	[0.323]	-0.795***	[0.264]	-4.454***	[0.909]
Age Sahaal ragion FE (Lagal Authority)	+		+		+	
School region FE (Local Authority)						
No. of Observations	1,861		1,861		1,861	

# Deprivation, mobility and financial literacy

Canada   C		Poisson	Poisson	Poisson	Poisson	OLS	Tobit
SIMID 2012 rank by residence postcode    0.032    0.034    0.035    0.063    0.063    0.07							(6)
0.032	SIMD 2012 rank by school postcode	0.099***		0.083**	0.105***	0.226***	0.320***
Residence rank-School ranks0 -   0.033   0.033   0.031   0.031   0.031   0.031   0.031   0.031   0.031   0.031   0.031   0.031   0.031   0.031   0.0306**   0.041   0.031   0.031   0.031   0.031   0.030   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.		[0.032]					[0.087]
Residence rank-School ranks	SIMD 2012 rank by residence postcode		0.033				
Pull-time equivalent (FTE)	, and the property of the same						
Full-time equivalent (FTE)	Residence rank-School rank≤0	-			0.128**	0.306**	0.403**
Free school meals (% registered)					[0.060]	ΓΩ 1281	FO 1671
Free school meals (% registered)	Full-time equivalent (FTE)	-0.009	0.013	0.019	0.009	-0.006	0.017
Catholic denomination	•	[0.042]	[0.047]	[0.048]	[0.047]	[0.093]	[0.127]
Catholic denomination	Free school meals (% registered)						-0.060*
Catholic denomination	( 2 /	[0.012]	[0.013]	[0.013]	[0.012]	[0.025]	[0.034]
Capacity	Catholic denomination						0.545
Capacity		[0.134]			[0.164]		[0.359]
	Capacity						-0.025*
Urbanisation/School: Accessible Rural   -0.621***   -0.449**   -0.568***   -0.611***   -1.237***   -1.74	The state of the s						[0.015]
	Urbanisation/School: Accessible Rural						-1.745***
Urbanisation/School: Accessible Small   -0.28							[0.551]
	Urbanisation/School: Accessible Small						-0.881
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.544]
	Urbanisation/School: Other Urban Area						-0.16
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							[0.585]
	Urbanisation/School: Remote Rural						0.125
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		[0.267]	[0.429]	[0.298]	[0.296]	[0.503]	[0.728]
$ \begin{bmatrix} [0.269] & [0.303] & [0.270] & [0.279] & [0.736] & [0.756] \\ -0.830^{***} & -0.844^{****} & -0.855^{****} & -0.839^{****} & -0.923^{***} & -1.825 \\ [0.238] & [0.279] & [0.253] & [0.255] & [0.368] & [0.555] \\ School size: 3 & -0.116 & -0.436^{***} & -0.286 & -0.257 & -0.223 & -0.7 \\ [0.215] & [0.214] & [0.219] & [0.217] & [0.456] & [0.657] \\ School size: 4 & -0.280^* & -0.419^{***} & -0.356^{***} & -0.387^{***} & -0.508 & -0.99 \\ [0.168] & [0.176] & [0.173] & [0.169] & [0.355] & [0.495] \\ School size: 5 (largest) & -0.125 & -0.548^{***} & -0.304 & -0.259 & 0.032 & -0.7 \\ [0.271] & [0.251] & [0.274] & [0.264] & [0.517] & [0.77] \\ Class size: 11-15 & 0.086 & 0.024 & 0.061 & 0.071 & 0.197 & 0.29 \\ [0.105] & [0.105] & [0.107] & [0.104] & [0.105] & [0.236] & [0.257] \\ [0.105] & [0.107] & [0.104] & [0.105] & [0.236] & [0.257] \\ Class size: 16-20 & 0.167 & 0.043 & 0.102 & 0.12 & 0.241 & 0.3 \\ [0.129] & [0.140] & [0.134] & [0.132] & [0.282] & [0.357] \\ [0.111] & [0.111] & [0.119] & [0.112] & [0.107] & [0.245] & [0.357] \\ School minority: 0-5% & 0.991^{***} & 0.554^{***} & 0.959^{***} & 0.914^{****} & 1.233^{***} & 2.106 \\ [0.284] & [0.273] & [0.321] & [0.323] & [0.247] & [0.261] & [0.357] \\ School minority: 10-20% & 0.277^{**} & 0.274 & 0.289^{**} & 0.251 & -0.016 & 0.3 \\ [0.186] & [0.180] & [0.180] & [0.160] & [0.163] & [0.261] & [0.367] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.667] \\ School condition and suitability & + & + & + & + & + & + & + & + & + & $	Urbanisation/School: Remote Small Toy						0.666
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.737]
	School size: 2						-1.826***
			[0.279]	[0.253]	[0.255]	[0.368]	[0.535]
	School size: 3	-0.116	-0.436**	-0.286	-0.257	-0.223	-0.742
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.636]
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	School size: 4						-0.908*
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		[0.168]	[0.176]	[0.173]	[0.169]	[0.355]	[0.494]
$ \begin{bmatrix} [0.271] & [0.251] & [0.274] & [0.264] & [0.517] & [0.771] \\ [0.288] & [0.291] & [0.107] & [0.104] & [0.105] & [0.236] & [0.251] \\ [0.105] & [0.107] & [0.104] & [0.105] & [0.236] & [0.251] \\ [0.288] & [0.167] & [0.043] & [0.102] & [0.12] & [0.241] & [0.331] \\ [0.129] & [0.140] & [0.134] & [0.132] & [0.282] & [0.381] \\ [0.129] & [0.140] & [0.134] & [0.132] & [0.282] & [0.381] \\ [0.288] & [0.129] & [0.140] & [0.134] & [0.132] & [0.282] & [0.381] \\ [0.288] & [0.129] & [0.140] & [0.114] & [0.112] & [0.107] & [0.245] & [0.381] \\ [0.288] & [0.111] & [0.119] & [0.111] & [0.119] & [0.112] & [0.107] & [0.245] & [0.281] \\ [0.288] & [0.298** & 0.159 & 0.204** & 0.198** & 0.348 & 0.57 \\ [0.100] & [0.109] & [0.109] & [0.100] & [0.218] & [0.251] \\ [0.288] & [0.279*] & [0.321] & [0.323] & [0.473] & [0.601] \\ [0.284] & [0.277*] & [0.274] & [0.289*] & [0.251] & [0.361] & [0.361] \\ [0.160] & [0.180] & [0.160] & [0.163] & [0.261] & [0.361] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.661] \\ [0.495] & [0.495] & [0.661] & [0.495] & [0.495] & [0.661] \\ [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.495] & [0.495] \\ [0.287] & [0.288] & [0.370] & [0.324] & [0.330] & [0.495] & [0.495] & [0.495] \\ [0.288] & [0.370] & [0.324] & [0.330] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.495] & [0.49$	School size: 5 (largest)						-0.395
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.718]
$ \begin{bmatrix} [0.105] & [0.107] & [0.104] & [0.105] & [0.236] & [0.261] \\ [0.18s size: 16-20 & 0.167 & 0.043 & 0.102 & 0.12 & 0.241 & 0.3 \\ [0.129] & [0.140] & [0.134] & [0.132] & [0.282] & [0.382] \\ [0.002 & -0.106 & -0.038 & -0.039 & -0.043 & 0.0 \\ [0.111] & [0.119] & [0.112] & [0.107] & [0.245] & [0.323] \\ [0.18s size: 26-30 & 0.228** & 0.159 & 0.204** & 0.198** & 0.348 & 0.57 \\ [0.100] & [0.109] & [0.109] & [0.102] & [0.100] & [0.218] & [0.293] \\ [0.284] & [0.291]*** & 0.654** & 0.959*** & 0.914*** & 1.233** & 2.10 \\ [0.284] & [0.273] & [0.321] & [0.323] & [0.473] & [0.663] \\ [0.160] & [0.180] & [0.160] & [0.163] & [0.261] & [0.393] \\ [0.286] & [0.370] & [0.324] & [0.324] & [0.393] & [0.493] & [0.394] \\ [0.286] & [0.370] & [0.324] & [0.393] & [0.495] & [0.661] \\ [0.180] & [0.386] & [0.370] & [0.324] & [0.330] & [0.495] & [0.661] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.386] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.386] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.386] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.386] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.386] & [0.370] & [0.324] & [0.330] & [0.495] & [0.664] \\ [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] $	Class size: 11-15						0.298
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.298]
$ \begin{bmatrix} 0.129 \end{bmatrix} & \begin{bmatrix} 0.140 \end{bmatrix} & \begin{bmatrix} 0.134 \end{bmatrix} & \begin{bmatrix} 0.132 \end{bmatrix} & \begin{bmatrix} 0.282 \end{bmatrix} & \begin{bmatrix} 0.38 \end{bmatrix} \\ 0.002 & -0.106 & -0.038 & -0.039 & -0.043 & 0.008 \\ & \begin{bmatrix} 0.111 \end{bmatrix} & \begin{bmatrix} 0.119 \end{bmatrix} & \begin{bmatrix} 0.112 \end{bmatrix} & \begin{bmatrix} 0.107 \end{bmatrix} & \begin{bmatrix} 0.245 \end{bmatrix} & \begin{bmatrix} 0.32 \end{bmatrix} \\ 0.245 \end{bmatrix} & \begin{bmatrix} 0.32 \end{bmatrix} \\ 0.228** & 0.159 & 0.204** & 0.198** & 0.348 & 0.57 \\ & \begin{bmatrix} 0.100 \end{bmatrix} & \begin{bmatrix} 0.109 \end{bmatrix} & \begin{bmatrix} 0.102 \end{bmatrix} & \begin{bmatrix} 0.100 \end{bmatrix} & \begin{bmatrix} 0.218 \end{bmatrix} & \begin{bmatrix} 0.29 \end{bmatrix} \\ 0.218 \end{bmatrix} & \begin{bmatrix} 0.29 \end{bmatrix} \\ 0.991*** & 0.654** & 0.959*** & 0.914*** & 1.233** & 2.109 \\ 0.284 \end{bmatrix} & \begin{bmatrix} 0.284 \end{bmatrix} & \begin{bmatrix} 0.273 \end{bmatrix} & \begin{bmatrix} 0.321 \end{bmatrix} & \begin{bmatrix} 0.323 \end{bmatrix} & \begin{bmatrix} 0.473 \end{bmatrix} & \begin{bmatrix} 0.69 \end{bmatrix} \\ 0.277* & 0.274 & 0.289* & 0.251 & -0.016 & 0.339 \\ 0.160 \end{bmatrix} & \begin{bmatrix} 0.160 \end{bmatrix} & \begin{bmatrix} 0.160 \end{bmatrix} & \begin{bmatrix} 0.163 \end{bmatrix} & \begin{bmatrix} 0.261 \end{bmatrix} & \begin{bmatrix} 0.39 \end{bmatrix} \\ 0.286 \end{bmatrix} & \begin{bmatrix} 0.370 \end{bmatrix} & \begin{bmatrix} 0.324 \end{bmatrix} & \begin{bmatrix} 0.330 \end{bmatrix} & \begin{bmatrix} 0.495 \end{bmatrix} & \begin{bmatrix} 0.69 \end{bmatrix} \\ 0.69 \end{bmatrix} & \begin{bmatrix} 0.69 \end{bmatrix} & \begin{bmatrix} 0.324 \end{bmatrix} & \begin{bmatrix} 0.330 \end{bmatrix} & \begin{bmatrix} 0.495 \end{bmatrix} & \begin{bmatrix} 0.69 \end{bmatrix} \\ 0.69 \end{bmatrix} & \begin{bmatrix} 0.69 $	Class size: 16-20						0.381
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.381]
$ \begin{bmatrix} [0.111] & [0.119] & [0.112] & [0.107] & [0.245] & [0.325] \\ [0.228** & 0.159 & 0.204** & 0.198** & 0.348 & 0.575 \\ [0.100] & [0.109] & [0.102] & [0.100] & [0.218] & [0.2285] \\ [0.245] & [0.245] & [0.102] & [0.100] & [0.218] & [0.245] \\ [0.256] & [0.100] & [0.102] & [0.100] & [0.218] & [0.245] \\ [0.261] & [0.264] & [0.273] & [0.321] & [0.323] & [0.473] & [0.665] \\ [0.284] & [0.273] & [0.321] & [0.323] & [0.473] & [0.666] \\ [0.284] & [0.273] & [0.321] & [0.323] & [0.473] & [0.666] \\ [0.286] & [0.180] & [0.160] & [0.163] & [0.261] & [0.346] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.330] & [0.495] & [0.666] \\ [0.286] & [0.370] & [0.324] & [0.370] & [0.324] & [0.370] & [0.324] \\ [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.386] & [0.38$	Class size: 21-25						0.051
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.328]
$ \begin{bmatrix} 0.100 \end{bmatrix}  \begin{bmatrix} 0.109 \end{bmatrix}  \begin{bmatrix} 0.102 \end{bmatrix}  \begin{bmatrix} 0.100 \end{bmatrix}  \begin{bmatrix} 0.218 \end{bmatrix}  \begin{bmatrix} 0.298 \end{bmatrix}  \begin{bmatrix} 0.298 \end{bmatrix}  \begin{bmatrix} 0.298 \end{bmatrix}  \begin{bmatrix} 0.299 \end{bmatrix}  \begin{bmatrix} 0$	Class size: 26-30						0.578**
School minority: 0-5% $0.991***$ $0.654**$ $0.959***$ $0.914***$ $1.233**$ $2.10$ School minority: 5 - 10% $0.284$ ] $[0.273]$ $[0.321]$ $[0.323]$ $[0.473]$ $[0.60]$ School minority: 5 - 10% $0.277*$ $0.274$ $0.289*$ $0.251$ $-0.016$ $0.3$ School minority: 10 - 20% $1.063***$ $0.906**$ $1.002***$ $0.939***$ $1.083**$ $1.96$ Individual characteristics $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$							[0.292]
$ \begin{bmatrix} 0.284 \end{bmatrix} & \begin{bmatrix} 0.273 \end{bmatrix} & \begin{bmatrix} 0.321 \end{bmatrix} & \begin{bmatrix} 0.323 \end{bmatrix} & \begin{bmatrix} 0.473 \end{bmatrix} & \begin{bmatrix} 0.66 \end{bmatrix} \\ \text{School minority: 5 - 10%} & 0.277* & 0.274 & 0.289* & 0.251 & -0.016 & 0.3 \\ & \begin{bmatrix} 0.160 \end{bmatrix} & \begin{bmatrix} 0.180 \end{bmatrix} & \begin{bmatrix} 0.160 \end{bmatrix} & \begin{bmatrix} 0.163 \end{bmatrix} & \begin{bmatrix} 0.261 \end{bmatrix} & \begin{bmatrix} 0.38 \end{bmatrix} \\ \text{School minority: 10 - 20%} & 1.063*** & 0.906** & 1.002*** & 0.939*** & 1.083** & 1.96 \\ & \begin{bmatrix} 0.286 \end{bmatrix} & \begin{bmatrix} 0.370 \end{bmatrix} & \begin{bmatrix} 0.324 \end{bmatrix} & \begin{bmatrix} 0.330 \end{bmatrix} & \begin{bmatrix} 0.495 \end{bmatrix} & \begin{bmatrix} 0.67 \end{bmatrix} \\ \text{Individual characteristics} & + & + & + & + & + & + & + & + & + & $	School minority: 0-5%						2.100***
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							[0.667]
$ \begin{bmatrix} 0.160 \end{bmatrix} & \begin{bmatrix} 0.180 \end{bmatrix} & \begin{bmatrix} 0.160 \end{bmatrix} & \begin{bmatrix} 0.163 \end{bmatrix} & \begin{bmatrix} 0.261 \end{bmatrix} & \begin{bmatrix} 0.39 \end{bmatrix} \\ \text{School minority: } 10 - 20\% & 1.063*** & 0.906** & 1.002*** & 0.939*** & 1.083** & 1.96 \\ & \begin{bmatrix} 0.286 \end{bmatrix} & \begin{bmatrix} 0.370 \end{bmatrix} & \begin{bmatrix} 0.324 \end{bmatrix} & \begin{bmatrix} 0.330 \end{bmatrix} & \begin{bmatrix} 0.495 \end{bmatrix} & \begin{bmatrix} 0.67 \end{bmatrix} \\ \text{Individual characteristics} & + & + & + & + & + & + & + \\ \text{School condition and suitability} & + & + & + & + & + & + & + \\ \end{bmatrix} $	School minority: 5 -10%						0.335
School minority: 10 -20%       1.063***       0.906**       1.002***       0.939***       1.083**       1.96         [0.286]       [0.370]       [0.324]       [0.330]       [0.495]       [0.67         Individual characteristics       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +       +							[0.390]
[0.286] [0.370] [0.324] [0.330] [0.495] [0.67] Individual characteristics + + + + + + + + + + + + + + + + + + +	School minority: 10 -20%						1.963***
Individual characteristics + + + + + + + + + + School condition and suitability + + + + + + + + + + + + + + + + + + +							[0.679]
School condition and suitability + + + + + +	Individual characteristics						+
							+
	School region FE (Local Authority)	+	+	+	+	+	+
							1,861

#### **Conclusions**

#### ➤ A "playground" survey on Scottish schools

- Strong advantages links to the literature, but also limitations
- Space for improvement in the future teacher skills characteristics and student performance of particular interest
- Space for potential policy updating targeted interventions

#### Some potentially interesting insights

- Gender and gender/age
- Deprivation and differences between school-residential area "upward school mobility"
- Other school characteristics seem to matter less Could teacher quality and skills, including FL, make a difference?
- Effects from financial literacy on regular smoking?

#### > Still preliminary findings