PISA 2015 RESULTS - VOLUME 1 EXCELLENCE & EQUITY IN EDUCATION												
CHAPTER 1 - OVERVIEW: EXCELLENCE AND EQUITY IN EDUCATION												
СНАРТЕ	R 2 - SCIENCE PE	RFORM	ANCE AM	IONG 15-YEAR OLDS			MEAN	SD				
Students' P	ROFICIENCY Science	PL 1-2	LOW PERF	ORMERS	PL 3-4	PL 5-6	TOP PERFO	ORMERS				
VARIATION Science Performance		5%	10%	25%	50%	75%	90%	95%				
GENDER Differences - Science		PL 1-2	PL 5-6	BOYS	GIRLS	DIFF B-G	<mark>540,000 STI</mark>	JDENTS				
TRENDS in Students' Science Perfo		rmance	LOW-Achi	eving	HIGH-Ach	ieving	35 OECD 37 PARTNERS					
Computer 0	Average 3 Year Trend	3 Year Trend CHANGE in Science Performance between 2012-2015 Test & Questionnaire						stionnaire				
Test 2015	t 2015 Average 3 Year Trend - Accounting			for Changes in Enrolment Raes			MPARE MEAN Performance					
2 Hours	2 Hours Average 3 Year Trend - Adjusted f			r Demographic Changes 2006 & 201								
Students' E	Students' EPISTEMIC BELIEFS about Science - Average Level Support - Scientific Approaches to enquiry.											
СНАРТЕ	R 3 - STUDENTS'	ATTITU	DES TOW	ARDS SC	CIENCE 8	EXPEC	TATIONS					
Current & F	uture ENGAGEMENT wit	h Science		Career Expe	ectations	Science Activities						
ΜΟΤΙVΑΤΙΟ	N for LEARNING Scienc	е	Enjoyment Interest		Interest	Instrumental Motivation						
NURTURIN	G Future Scientists:	Role of	f SKILLS and MOTIVATION			SELF-EFFICACY in Science						
Bivariate Associations of ENGAGEMENT with Science and MOTIVATION for Learning with PERFORMANCE												
CHAPTER 4 - READING PERFORMANC				MONG 15	-YEAR O	LDS	MEAN	SD				
Students' P	ROFICIENCY Reading	PL 1-2	2 LOW PERFORMERS PL 3-4			PL 5-6 TOP PERFORMERS						
TRENDS	Since 2009	LONG-T	ERM TREND	S Since PIS/	A 2000		_					
GENDER Di	fferences -Reading	PL 1-2	PL 5-6	BOYS	GIRLS	DIFF B-G						
VARIATION	Reading Performance	5%	10%	25%	50%	75%	90%	95%				
СНАРТЕ	R 5 - MATHEMAT	ICS PER	FORMAN	CE - 15-Y	EAR OLI	DS	MEAN	SD				
Students' P	ROFICIENCY MATH	PL 1-2	LOW PERF	ORMERS	PL 3-4	PL 5-6	TOP PERFO	ORMERS				
TRENDS	Since 2000 & 2009	LONG-T	ERM TREND)S	BELO	W & ABOVE	BASELINE					
GENDER Di	ifferences -MATH	PL 1-2	PL 5-6	BOYS	GIRLS	DIFF B-G						
VARIATION	MATH Performance	5%	10%	25%	50%	75%	90%	95%				
СНАРТЕ	R 6 - SOCIO-ECO	NOMIC S	TATUS, S	STUDEN	F PERFO	RMANCE						
	and STUDENTS'	ATTITUD	ES TOW	ARDS SC	IENCE		TRENDS	EQUITY				
INCLUSION & FAIRNESS in Education			Performance Outcomes			SES	Mediating Factors					
Successful PERFORMANCE & EQUITY			National Income Spending			SES Heterogeneity						
ACCESS Population Coverage/ Inclusion			Access Trends Low Coverage			Low Coverage Affect on Results						
SOCIO-ECC	NOMIC STATUS	by SES Performance Differences Relate to			SES Disparit	у						
Differences SCIENCE CAREER EXPECTATIONS				BELIEFS Related to SES Backgrou			nd					
SES and Pe	erformances	Between So	chools Within Sch		ools Resources		Grade Repetitiion					
CHAPTER 7 - IMMIGRANT BACKGROUND, STUDENT PERFORMANCE & STUDENTS' ATTITUDES TOWARDS SCIENCE												
Inclusive &	Fair Education for IMMI	GRANTS		PROFILE IN	MIGRANT S	Students - Pl	SA 2015	TRENDS				
MIGRATION	& Performances in HOS	6	Immigrant NON-IMMIGRANT		RESILIENT							
CAREER EX	PECTATIONS	HOME LANGUAGE		CONCENTRATION		RESOURCES		OTL				

CHAPTER 8 - WHAT PISA 2015 RESULTS IMPLY FO		Y								
How universal are basic skills? (Baseline Skills in Science, Reading, M	ath varies co	nsiderably)								
Higher nublic expendiure on education has not always delivered better results										
Access to education is still not universal	LEAGUE TABLES									
Countries don't have to choose between nuturing excellence in education & reducing underperformance.										
Gender differences in performance persist.										
Policy Implications of results from PISA science assessment	PERSIST	GIRLS								
Support widespread engagement with science while meeting demand for scientific excellence										
Improve both skills & atitudes to encouirage lifelong engagement with science.										
Challenge stereotypes about science-related occupations to help all boys & girls achieve potential										
Policy Implications of differences in equity across countries										
Design policies based on how well SES status predicts performance and how much differences										
in student performance overlap with socio-economic disparities.										
Target special resources in schools with high concentraton low-performing & disadvanaged students.										
Encourage positive attitudes towards learning Science among students of all backgrounds.										
Reduce differences in exposure to Science content by adopting regorous curriculum standards.										
Education Policies to support immigrant students: Short-term high-impact & Medium high-impact responses.										
PISA 2015 VOLUME IL - POLICIES AND PRACTICES FOR SUCCESSEUL SCHOOLS										
CHAPTER 7 - What PISA 2015 Results Imply for Policy										
Account for the differences in student outcomes between schools and	education sy	stems.	OPPORT	UNITY						
Give every 15-year-old the opportunity to learn science in school.			TO LEARN!							
Ensure that learning time is productive so that students can develop their academic, social and emotional										
skills in a balanced way.										
skills in a balanced way.	The most ambitious education reforms aspire to change what happens inside the classroom.									
skills in a balanced way. The most ambitious education reforms aspire to change what happens	inside the cl	assroom.								
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful.	inside the cl	assroom.								
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all.	inside the cl	assroom.	CT & RE	FAIN						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments.	inside the cl	ATTRA QUALIF	CT & RE	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue	inside the cl to learn thro	ATTRA QUALIF ughout their	CT & RE IED TEA	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at	inside the cl to learn thro the local leve	ATTRA QUALIF ughout their	CT & RE IED TEA careers.	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them	inside the cl to learn thro the local leve accessible t	ATTRA QUALIF ughout their el. o all studen	CT & RE IED TEA careers.	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited	inside the cl to learn thro the local leve accessible t	ATTRA QUALIF ughout their el. o all studen	CT & RE IED TEA careers. ts.	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited Favour additional support to struggling students rather than grade repe	inside the cl to learn thro the local leve accessible t l. etition.	ATTRA QUALIF ughout their el. o all studen	CT & RE IED TEAC careers. ts. DELAY	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited Favour additional support to struggling students rather than grade repe Delay the age at selection into different education programmes.	inside the cl to learn thro the local leve accessible t l. etition.	ATTRA QUALIF ughout their el. o all studen	CT & RE IED TEAC careers. ts. DELAY OF TRA	AGE CKING						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited Favour additional support to struggling students rather than grade repe Delay the age at selection into different education programmes. Provide access to quality early education for all children.	inside the cl to learn thro the local leve accessible t accessible t dution.	ATTRA QUALIF ughout their el. o all studen Y EARLY	CT & RE IED TEA careers. ts. DELAY OF TRA	TAIN CHERS						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited Favour additional support to struggling students rather than grade repe Delay the age at selection into different education programmes. Provide access to quality early education for all children. Above all, provide additional support to disadvantaged schools.	inside the cl to learn thro the local leve accessible t accessible t dution.	ATTRA QUALIF ughout their el. o all studen Y EARLY TON FOR	CT & RE IED TEA careers. ts. DELAY OF TRA	AGE CKING						
Skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited Favour additional support to struggling students rather than grade reper Delay the age at selection into different education programmes. Provide access to quality early education for all children. Above all, provide additional support to disadvantaged schools. PISA 2015 VOLUME III. STUDENTS' WELL-BEING (Relation Social Life	inside the cl to learn thro the local leve accessible t accessible t dutition.	ATTRA QUALIF ughout their el. o all studen Y EARLY TON FOR ttitudes, Sch	CT & RE IED TEA careers. ts. DELAY OF TRA ALL	AGE CKING						
skills in a balanced way. The most ambitious education reforms aspire to change what happens Ensure that science laboratory work is meaningful. Create a positive learning environment for all. Encourage schools to use multiple types of assessments. Build a skilled and dedicated teacher workforce. Ensure they continue Balance school autonomy with accountability, and develop capacity at Strive to have excellent schools in every neighborhood and make them Adjust the size of schools and classes if financial resources are limited Favour additional support to struggling students rather than grade repe Delay the age at selection into different education programmes. Provide access to quality early education for all children. Above all, provide additional support to disadvantaged schools. PISA 2015 VOLUME III. STUDENTS' WELL-BEING (Relation Social Life PISA 2015 VOLUME IV. STUDENTS' FINANCIAL LITERACY (Experience	inside the cl to learn thro the local leve accessible t accessible t durition.	ATTRA QUALIF ughout their el. o all studen TION FOR ttitudes, Sch (nowledge <i>f</i>	CT & RE IED TEAC careers. ts. DELAY OF TRA OF TRA ALL tool Perform	AGE CKING						