

教育與研究

學習者		單位	1998	1999	2000	2001	2002	2003	2004	2005	2006
學生數^①											
1	總計	千人	5 216	5 242	5 303	5 354	5 377	5 385	5 372	5 319	5 287
2	占年底人口比率	百分比	23.8	23.7	23.8	23.9	23.9	23.8	23.7	23.4	23.1
3	公立學生數比率	百分比	71.5	70.9	69.9	69.6	69.5	69.4	69.0	68.7	68.8
淨在學率											
4	初等教育	百分比	97.8	97.8	98.8	98.2	98.0	97.3	98.2	98.5	97.8
5	中等教育	百分比	91.7	92.6	92.2	92.9	93.7	93.8	93.6	93.6	94.9
6	高等教育	百分比	33.3	35.4	38.7	42.5	45.7	49.1	53.2	57.4	59.8
7	高等教育粗在學率	百分比	47.0	50.5	56.1	63.0	67.6	72.4	78.1	82.0	83.6
升學率											
8	國中畢業生	百分比	93.9	94.7	95.3	96.0	95.5	95.7	96.0	94.9	96.2
9	高中畢業生	百分比	67.4	74.4	74.8	77.1	81.2	82.2	86.0	88.4	91.1
10	高職畢業生	百分比	24.7	30.1	36.9	42.7	46.6	56.0	62.7	66.6	69.8
中途輟學學生											
11	國小生	人	1 496	948	1 378	1 508	1 666	1 533	1 418	1 398	1 132
12	國中生	人	6 872	4 690	7 288	7 956	7 929	7 072	6 750	6 055	5 062
提供者		單位	1998	1999	2000	2001	2002	2003	2004	2005	2006
學校^①											
13	總數	所	7 731	7 915	8 071	8 158	8 222	8 252	8 184	8 287	8 254
14	公立學校比率	百分比	70.2	70.2	69.6	69.4	69.7	69.7	70.0	70.6	71.1
教育資源及環境		單位	1998	1999	2000	2001	2002	2003	2004	2005	2006
平均每班學生數											
15	初等教育	人	31.9	31.5	30.8	30.5	30.1	29.9	29.7	29.3	29.0
16	中等教育	人	40.3	39.2	38.3	37.6	37.6	37.8	37.9	37.7	37.2
生師比											
17	初等教育	人	20.1	19.5	19.0	18.6	18.4	18.4	18.3	18.0	17.9
18	中等教育	人	18.4	17.8	17.4	17.1	17.2	17.2	17.4	17.3	17.0
19	國中	人	16.8	16.0	15.6	15.7	16.1	16.1	16.3	16.0	15.7
20	高中	人	20.0	19.7	19.7	19.4	19.4	19.2	19.4	19.5	19.3
21	高等教育	人	17.7	18.2	19.2	19.9	20.0	20.0	19.9	19.8	19.7
女性教師比率											
22	初等教育	百分比	66.1	66.6	66.8	67.6	68.1	67.7	68.0	68.2	68.2
23	中等教育	百分比	57.0	57.9	58.6	59.5	60.2	60.8	61.3	61.7	62.0
24	高等教育	百分比	34.4	34.5	34.6	34.7	34.5	34.5	34.3	34.2	34.1
25	教育機構之教育經費支出占GDP比率	百分比	6.3	6.4	5.4	5.9	5.9	5.9	5.8	5.8	5.7
26	政府對教育機構之教育經費支出占GDP比率	百分比	4.8	4.8	3.7	4.1	4.1	4.0	3.9	3.9	3.8
教育成果		單位	1998	1999	2000	2001	2002	2003	2004	2005	2006
15歲以上民間人口教育水準											
27	國中及以下	百分比	45.9	44.2	43.2	41.8	40.2	38.9	37.7	36.6	35.5
28	高中職	百分比	33.0	33.5	33.5	33.7	33.8	33.7	33.5	33.2	32.9
29	大專及以上	百分比	21.2	22.3	23.3	24.5	26.0	27.4	28.7	30.2	31.6
30	6歲者預期在校年數	年	-	-	-	-	14.6	15.0	15.4	15.6	15.7
31	每萬人研究人員數 ^②	人	28.5	30.4	31.2	32.7	41.4	44.3	48.0	50.9	55.2
32	SCI論文發表篇數	篇	Ⓔ 8 886	Ⓔ 9 423	Ⓔ 9 969	Ⓔ 11 125	Ⓔ 11 708	Ⓔ 12 862	Ⓔ 14 473	Ⓔ 16 174	Ⓔ 18 365
33	EI論文發表篇數	篇	4 026	4 690	5 354	5 768	5 786	8 011	10 980	11 661	13 076
34	美國核准專利件數	件	3 100	3 693	4 670	5 371	5 431	5 298	5 938	5 118	6 361
專利											
35	申請數	件	54 003	51 921	61 231	67 860	61 402	65 742	72 082	79 442	80 988
36	核准數 ^③	件	25 051	29 144	38 665	53 789	45 042	53 034	49 610	57 236	48 774
37	國人核准數	件	16 417	18 052	23 737	32 310	24 846	30 955	33 517	42 324	33 773
38	每萬人國人專利核准數	件	7.5	8.2	10.7	14.5	11.1	13.7	14.8	18.6	14.8
39	國人發明專利核准數	件	1 598	2 139	3 834	6 477	5 683	6 399	7 521	9 124	11 431

附註：①因應幼兒教育及照顧法實施，原幼稚園及托兒所改制為幼兒園，101學年起改為幼兒園資料，100學年(含)以前學生數不含托兒所資料。

②2002年(含)以後資料含國防及博士班學生資料，2003年(含)以後新增調查行業；研究人員僅計算大學學歷以上者。

③2004年7月1日起施行修正之專利法，採公告且同時發證之核准方式，故2004年資料為2004年1月1日至6月30日之公告核准數及2004年7月1日至12月31日之公告發證數之總計。2003年(含)以前係指公告核准數。

Education and Research

2007	2008	2009	2010	2011	2012	2013	Units	Learners	
								School students ①	
5 243	5 166	5 066	4 966	4 860	5 007	4 860	1,000	1	Total
22.8	22.4	21.9	21.4	20.9	21.5	20.8	%	2	Students as % of population
68.7	68.4	68.1	67.4	66.5	63.4	63.3	%	3	Students in public schools as % of total students
								Net enrollment rates	
97.8	97.7	98.0	98.0	97.9	97.8	97.7	%	4	Primary education
94.6	Ⓐ 95.0	95.4	Ⓐ 95.6	Ⓐ 95.6	Ⓐ 95.6	95.7	%	5	Secondary education
61.4	Ⓐ 64.4	Ⓐ 65.4	Ⓐ 66.7	Ⓐ 68.4	Ⓐ 69.7	70.4	%	6	Tertiary education
85.3	83.2	82.2	83.8	83.4	84.4	83.9	%	7	Tertiary education gross enrollment ratios
								Percentage of graduates entering advanced levels	
96.3	95.4	97.6	98.2	97.7	99.2	99.4	%	8	Junior high school
93.6	95.3	95.6	95.2	94.7	94.8	95.5	%	9	Senior high school
73.0	Ⓐ 76.4	76.9	79.6	81.9	83.5	81.1	%	10	Vocational school
								Number of drop-out students	
1 028	822	813	704	587	488	...	no.	11	Elementary school
4 740	4 221	4 318	4 935	4 792	3 918	...	no.	12	Junior high school
2007	2008	2009	2010	2011	2012	2013	Units	Providers	
								Number of schools ①	
8 202	8 097	8 060	8 196	8 100	Ⓐ 11 496	11 428	no.	13	Total
71.7	72.6	73.1	71.9	73.0	53.9	54.4	%	14	Public schools as % of total schools
2007	2008	2009	2010	2011	2012	2013	Units	Resources	
								Students per class	
28.5	27.7	26.8	25.9	25.1	24.4	23.7	no.	15	Primary education
36.7	36.5	36.3	35.8	35.2	34.8	34.1	no.	16	Secondary education
								Number of students per teacher	
17.3	16.7	16.1	15.3	14.8	14.1	13.3	no.	17	Primary education
16.7	16.6	16.4	16.0	15.7	15.2	14.8	no.	18	Secondary education
15.2	15.1	14.9	14.3	13.7	13.0	12.5	no.	19	Junior high school
19.1	18.9	18.7	18.6	18.5	18.3	17.8	no.	20	Senior high school
20.0	20.3	20.9	21.3	21.7	22.1	22.2	no.	21	Tertiary education
								Female teachers as % of total teachers	
68.5	68.5	68.7	69.0	69.3	69.6	70.1	%	22	Primary education
62.3	62.5	62.7	62.8	63.0	63.1	63.2	%	23	Secondary education
34.1	34.3	33.6	34.0	34.3	34.7	35.0	%	24	Tertiary education
5.5	5.8	6.3	5.7	Ⓐ 5.8	Ⓐ 5.9	5.7	%	25	Expenditure on educational institutions as % of GDP
3.7	3.8	4.3	3.8	3.9	Ⓐ 3.9	3.7	%	26	Government expenditure on educational institutions as % of GDP
2007	2008	2009	2010	2011	2012	2013	Units	Outcomes	
								Education attainment of population aged 15 and above	
34.4	33.3	32.3	31.3	30.3	29.3	28.4	%	27	Junior high school and below
32.7	32.3	32.1	32.0	31.8	31.7	31.5	%	28	Senior high school and vocational school
32.9	34.3	35.6	36.8	37.9	39.0	40.1	%	29	Junior college and above
16.1	16.1	16.0	16.2	16.3	16.5	16.3	years	30	School-life expectancy of age 6
59.2	62.4	67.0	71.2	74.8	76.6	...	no.	31	Number of researchers per 10,000 population ②
19 598	Ⓐ 22 293	Ⓐ 23 778	Ⓐ 24 921	Ⓐ 27 283	Ⓐ 27 639	27 699	no.	32	Number of annual papers in SCI
16 657	17 483	18 869	20 302	22 819	20 729	...	no.	33	Number of annual papers in EI
6 128	6 339	6 642	8 239	8 781	10 646	11 071	no.	34	Number of U.S. patents granted
								Patent	
81 834	83 613	78 425	80 494	82 988	85 073	83 211	no.	35	Number of patents applied
49 006	42 283	43 724	45 966	50 305	56 610	72 148	no.	36	Number of patents granted ③
34 068	32 364	33 457	35 056	36 924	39 645	47 534	no.	37	Number of patents granted-nationals
14.9	14.1	14.5	15.1	15.9	17.0	20.4	no.	38	Number of patents granted-nationals per 10,000 population
10 578	6 364	7 445	8 423	10 112	12 177	19 572	no.	39	Number of invention patents granted-nationals

Notes : ① Since the "Early Childhood Education and Care Act" was fulfilled in 2012, the kindergartens and the child-care centers were reformed to the "Preschools" from the SY 2012-2013, not including the child-care centers before the SY 2011-2012.

② Data included defence and doctoral student workforce since 2002, and included newly-added industries since 2003 ; Only persons with university degree or above are counted as researchers.

③ According to amended Patent Act on July 1, 2004, the number of granted patents included published approval patents and issued patent certificates;

Data referred to number of published approval patents only before 2003