



# Private Education Expenditures Survey of Elementary, Middle and High School Students in 2022

The total private education expenditures of elementary, middle and high school students recorded 26 trillion won in 2022, which rose by 10.8% from 2021. The private education participation rate stood at 78.3% in 2022, up 2.8%p from 2021. The weekly participation hours marked 7.2 hours per student in 2022, which grew by 0.5 hours from 2021.

- The total private education expenditures grew by 2.5 trillion won (10.8%) from 23.4 trillion won in 2021 to 26 trillion won in 2022.
- Compared to 2021, the total number of students recorded a decrease. Whereas, the private education participation rate and the weekly participation hours recorded an increase.

【 Total private education expenditures and total number of students 】

Classification	2021	2022	Percent change
Private education expenditures (trillion won, %)	23.4	26.0	10.8
Total number of students (10,000 persons, %)	532	528	-0.9

【 Private education participation rate and weekly participation hours 】

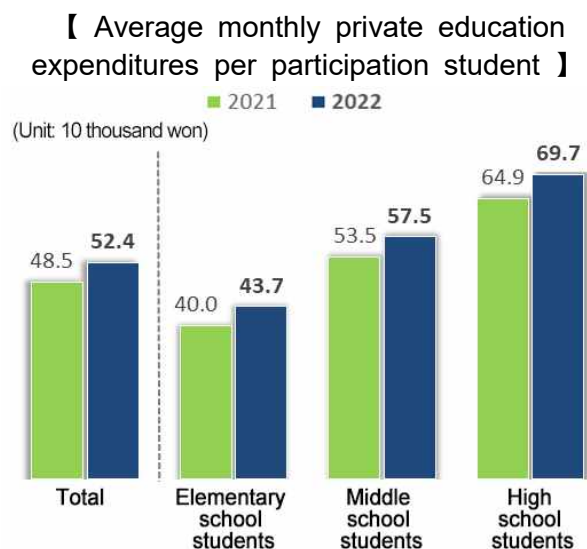
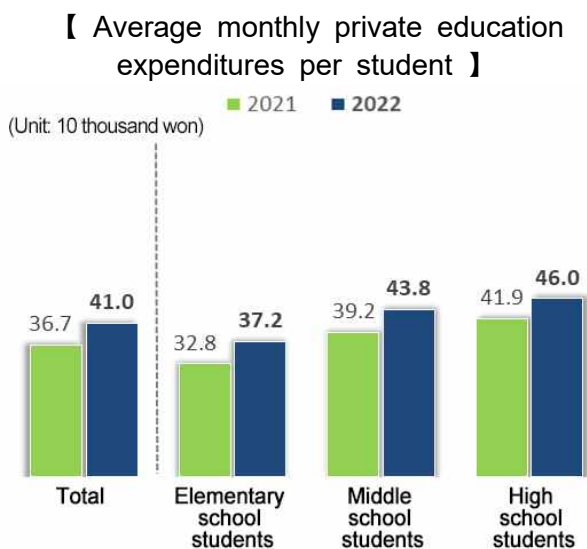
Classification	2021	2022	Change
Participation rate (% , %p)	75.5	78.3	2.8
Weekly participation hours (hour)	6.7	7.2	0.5

The average monthly private education expenditures per student recorded 410 thousand won in 2022, rising by 11.8% from 2021. The average monthly private education expenditures per participation student recorded 524 thousand won in 2022, rising by 7.9% from 2021.

- (Total students)  
The average monthly private education expenditures per elementary school student recorded 372 thousand won (44 thousand won, 13.4% ↑ ). The average monthly private education expenditures per middle school student recorded 438 thousand won (46 thousand won, 11.8% ↑ ). The average monthly private education expenditures per high school student recorded 460 thousand won (41 thousand won, 9.7% ↑ ).

○ (Participation students)

The average monthly private education expenditures per elementary school participation student marked 437 thousand won (37 thousand won, 9.2% ↑). The average monthly private education expenditures per middle school participation student marked 575 thousand won (39 thousand won, 7.4% ↑). The average monthly private education expenditures per high school participation student marked 697 thousand won (48 thousand won, 7.3% ↑).

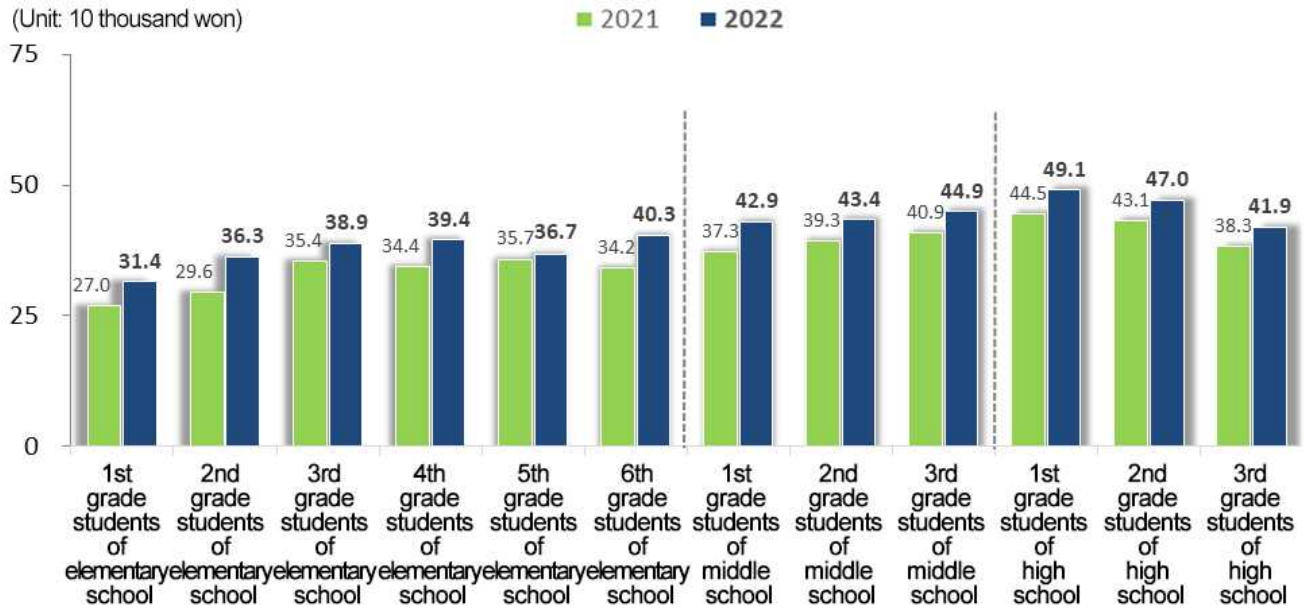


**As for the average monthly private education expenditures per student of the total students by grade, 1st grade students in high school recorded the highest figure of 491 thousand won. As for the average monthly private education expenditures of the participation students by grade, 1st grade students in high school recorded the highest figure of 706 thousand won.**

- As for the average monthly private education expenditures per student of the total students by grade, 6th grade students in elementary school recorded the highest figure of 403 thousand won. 3rd grade students in middle school recorded the highest figure of 449 thousand won. 1st grade students in high school recorded the highest figure of 491 thousand won.
  - Compared to 2021, all grade students in elementary, middle and high school recorded an increase in the average monthly private education expenditures per student.
- As for the average monthly private education expenditures per student of the participation students by grade, 6th grade students in elementary school recorded the highest figure of 492 thousand won. 3rd grade students in middle school recorded the highest figure of 601 thousand won. 1st grade students in high school recorded the highest figure of 706 thousand won.
  - Compared to 2021, all grade students in elementary, middle and high school recorded an increase in the average monthly private education expenditures per participation student.

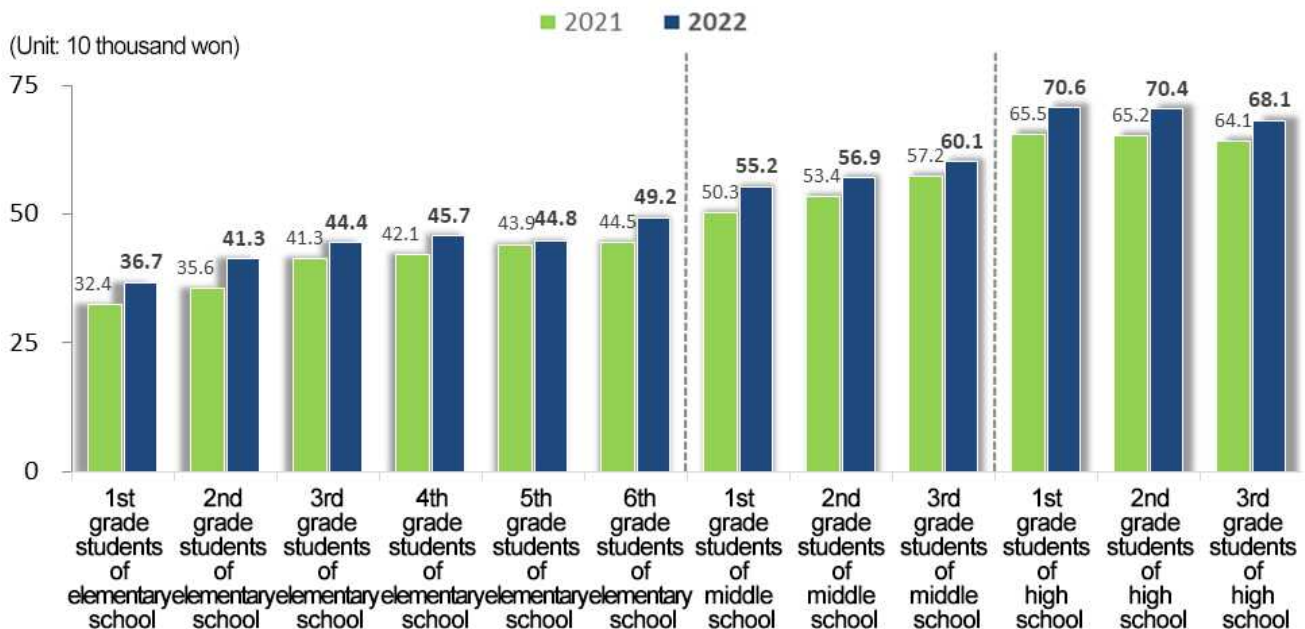
【 Average monthly private education expenditures per student by grade 】

(Unit: 10 thousand won)



【 Average monthly private education expenditures per participation student by grade 】

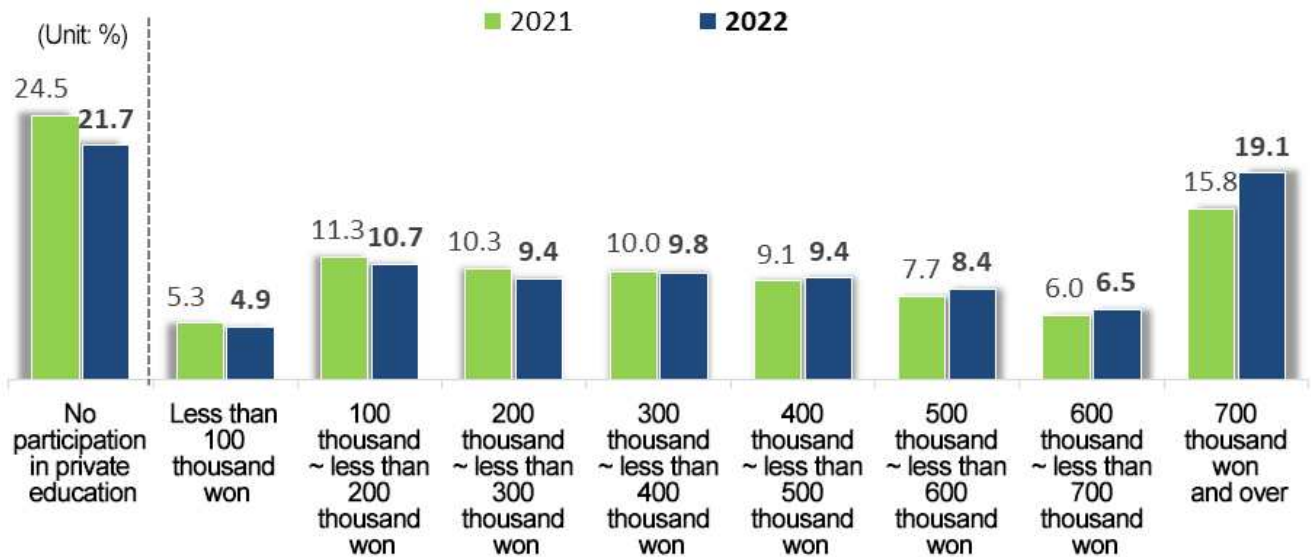
(Unit: 10 thousand won)



**As for the average monthly private education expenditures, the share of students spending 700 thousand won or more went up by 3.3%p from 2021.**

- As for the average monthly private education expenditures, the share of students spending less than 400 thousand won showed a year-on-year decrease. Whereas, the share of students spending 400 thousand won or more showed a year-on-year increase.

【 Share of students by size of private education expenditures 】



The average monthly private education expenditures on general subjects amounted to 310 thousand won per student in 2022, rising by 10.2% from 2021. The average monthly private education expenditures on general subjects amounted to 490 thousand won per participation student in 2022, rising by 6.5% from 2021.

○ (Total students)

As for the total students, the average monthly private education expenditures on English recorded the highest figure of 123 thousand won, which was followed by mathematics (116 thousand won) and Korean (34 thousand won).

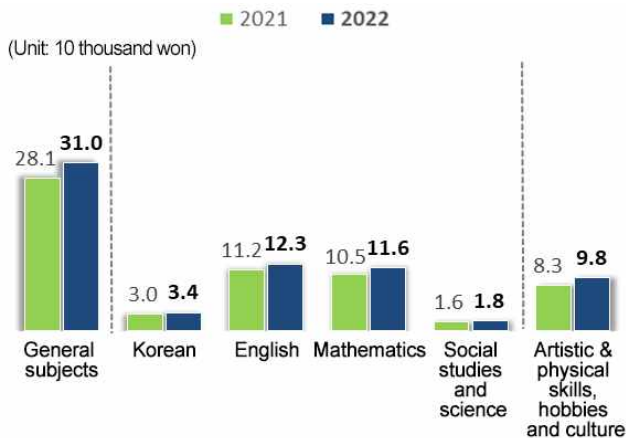
- Compared to 2021, the average monthly private education expenditures on Korean (13.0%), English (10.2%), mathematics (9.7%) and 'Social studies and science' (9.5%) recorded an increase.

○ (Participation students)

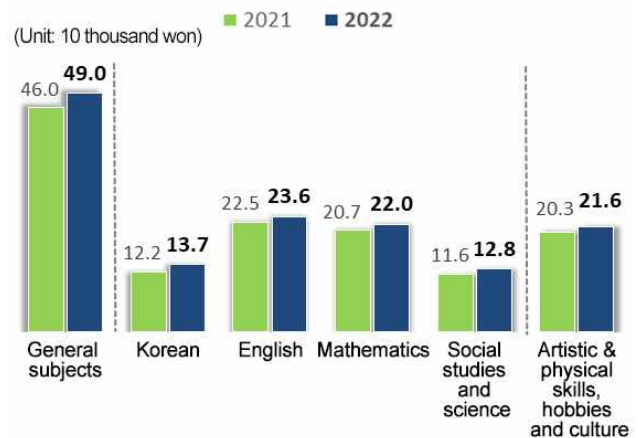
As for the participation students, the average monthly private education expenditures on English recorded the highest figure of 236 thousand won, which was followed by mathematics (220 thousand won) and Korean (137 thousand won).

- Compared to 2021, the average monthly private education expenditures on Korean (11.7%), 'Social studies and science' (9.8%), mathematics (6.0%) and English (4.9%) recorded an increase.

【 Average monthly private education expenditures per student by subject 】



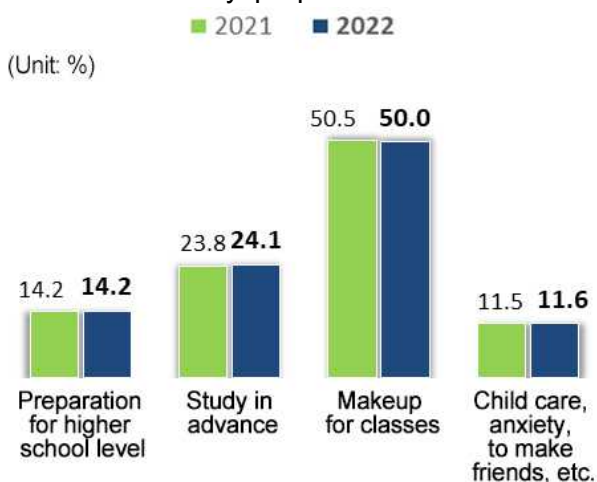
【 Average monthly private education expenditures per participation student by subject 】



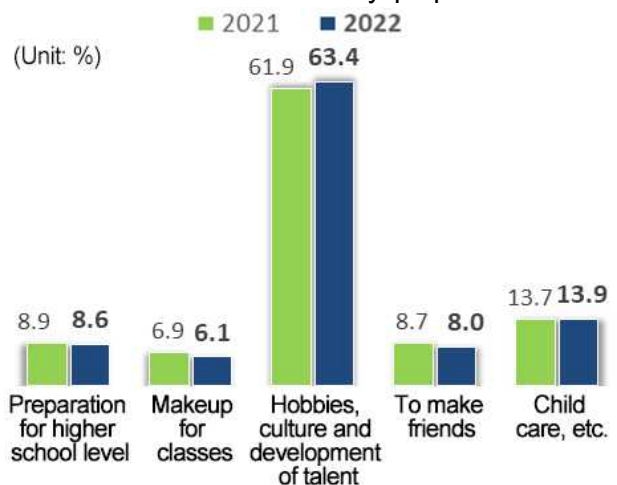
As for the private education of general subjects by purpose, 'Study in advance' and 'Preparation for higher school level' showed a year-on-year increase. Whereas, 'Makeup for classes' showed a year-on-year decrease. As for the private education of artistic and physical skills, 'Hobbies, culture and development of talent' and 'Child care, etc.' showed a year-on-year increase.

- As for the purposes of general subjects, 'Makeup for classes' occupied the highest share at 50.0%, which was followed by 'Study in advance' (24.1%) and 'Preparation for higher school level' (14.2%). Compared to 2021, 'Study in advance', 'Preparation for higher school level' and 'Child care, etc.' recorded an increase. Whereas, 'Makeup for classes' recorded a decrease.
- As for the purposes of artistic and physical skills, 'Hobbies, culture and development of talent' occupied the highest share at 63.4%. Compared to 2021, 'Hobbies, culture and development of talent' and 'Child care, etc.' recorded an increase. Whereas, 'Makeup for classes', 'To make friends' and 'Preparation for higher school level' recorded a decrease.

【 Private education of general subjects by purpose 】



【 Private education of artistic & physical skills, hobbies and culture by purpose 】

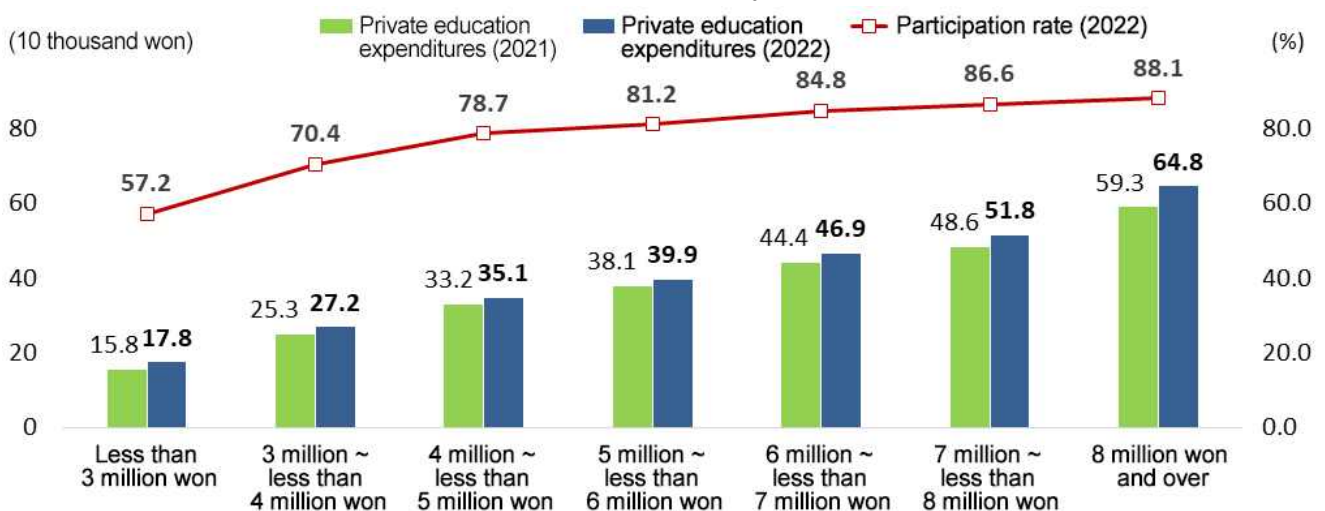




## The higher household income level, the higher education expenditures and the participation rate.

- As for the average monthly expenditures, the households earning 8 million won or more recorded the highest figure of 648 thousand won per student. Whereas, the households earning less than 3 million won recorded 178 thousand won per student.
- As for the participation rate, the households earning 8 million won or more recorded the highest figure at 88.1%. Whereas, the households earning less than 3 million won recorded the lowest figure at 57.2%.

【 Average monthly private education expenditures per student and private education participation rate by household income 】



## The after-school program participation rate stood at 36.2%. The language course participation rate stood at 0.2%.

- The expenditures on paid and free after-school programs amounted to 688.6 billion won, increasing by 55.3% from 2021. The paid and free after-school program participation rate recorded 36.2%, up 7.3%p from 2021.

【 Total expenditures on after-school programs and participation rate 】

Classification	Total expenditures (100 million won)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
After-school programs (paid and free)	4,434	6,886	55.3	28.9	36.2	7.3

- The expenditures on language courses totaled 37.6 billion won, rising by 205.2% from 2021. The language course participation rate recorded 0.2%, up 0.1%p from 2021.

【 Total expenditures on language courses and participation rate 】

Classification	Total expenditures (100 million won)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
Language courses*	123	376	205.2	0.1	0.2	0.1

\* Language courses: 2021, 2022 (8 months: Jan. ~ May, July ~ Sep.)

# I . Results of the Private Education Expenditures Survey of Elementary, Middle and High School Students in 2022

## 1. Total private education expenditures

The total private education expenditures of elementary, middle and high school students recorded 26 trillion won in 2022, rising by 10.8% from 2021.

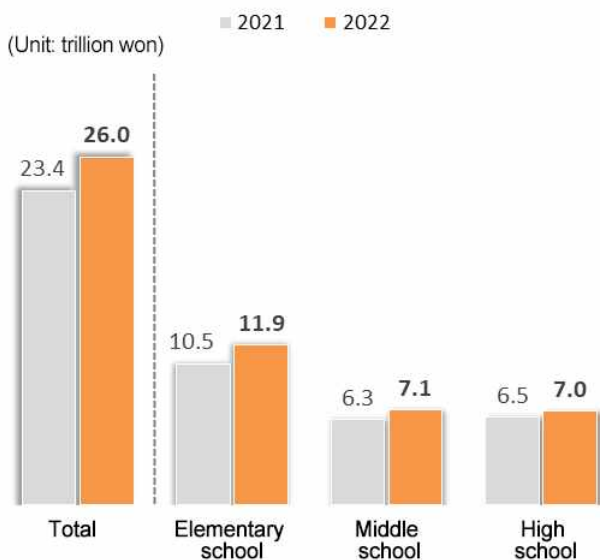
- In 2022, the private education expenditures of elementary, middle and high school students amounted to 11.9 trillion won, 7.1 trillion won and 7 trillion won, respectively.
- Compared to 2021, the private education expenditures of elementary, middle and high school students grew by 13.1%, 11.6% and 6.5%, respectively.

<Table 1> 【 Total private education expenditures 】

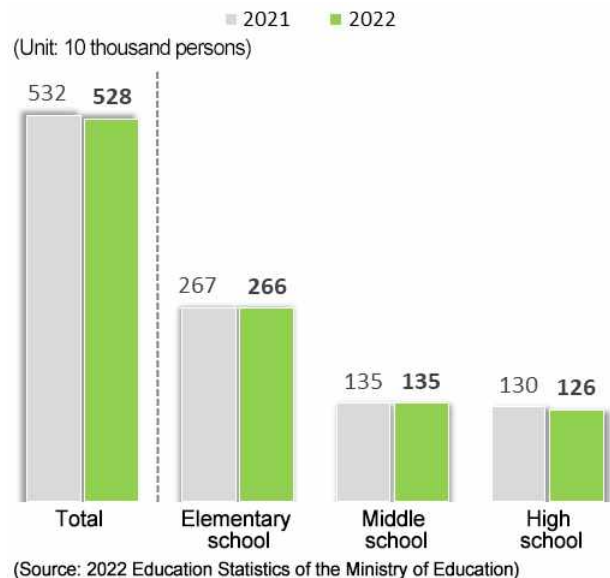
(Unit: 100 million won, %)

Classification		Total	Elementary school	Middle school	High school
2021		234,158	105,279	63,480	65,399
2022		259,538	119,055	70,832	69,651
	Percent change	10.8	13.1	11.6	6.5

<Figure 1> 【 Total private education expenditures by school level 】



<Figure 2> 【 Total number of students by school level 】



## 2. Private education participation rate and weekly participation hours

The private education participation rate of elementary, middle and high school students stood at 78.3% in 2022, up 2.8%p from 2021. The weekly participation hours recorded 7.2 hours per student in 2022, which grew by 0.5 hours from 2021.

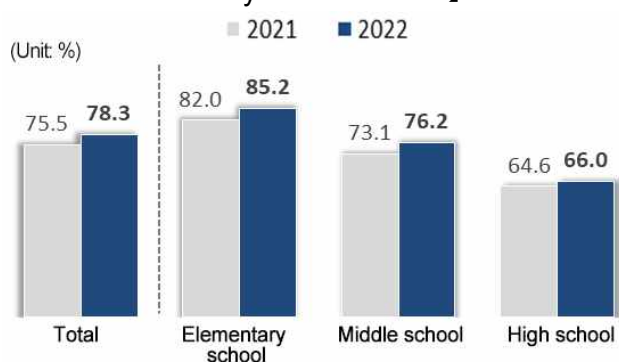
- The participation rate of elementary school students recorded the highest figure at 85.2%, which was followed by middle school students (76.2%) and high school students (66.0%).
- Compared to 2021, the participation rate of elementary, middle and high school students went up by 3.2%p, 3.0%p and 1.4%p, respectively.
- The weekly participation hours of middle school students recorded the highest figure of 7.5 hours, which was followed by elementary school students (7.4 hours) and high school students (6.6 hours).
- Compared to 2021, the weekly participation hours of elementary, middle and high school students went up by 0.6 hours, 0.5 hours and 0.3 hours, respectively.

<Table 2> 【 Private education participation rate and weekly participation hours by school level 】

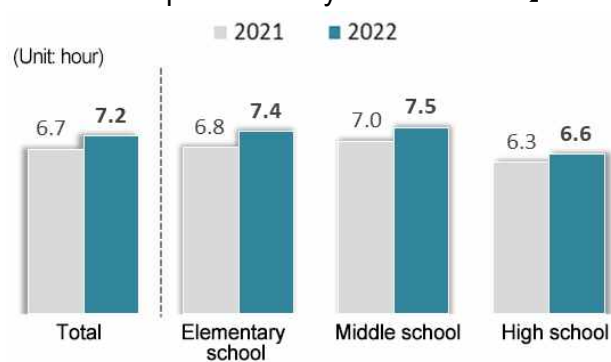
Classification	Private education participation rate (% , %p)				Weekly participation hours (hour)			
	Total	Elementary school	Middle school	High school	Total	Elementary school	Middle school	High school
2021	75.5	82.0	73.1	64.6	6.7	6.8	7.0	6.3
<b>2022</b>	<b>78.3</b>	<b>85.2</b>	<b>76.2</b>	<b>66.0</b>	<b>7.2</b>	<b>7.4</b>	<b>7.5</b>	<b>6.6</b>
Change	2.8	3.2	3.0	1.4	0.5	0.6	0.5	0.3

※ Data on participation hours cover the total students.

<Figure 3> 【 Private education participation rate by school level 】



<Figure 4> 【 Private education participation hours per week by school level 】



- As for the private education participation rate by grade, 2nd grade students in elementary school recorded the highest figure of 88.0%. 1st grade students in middle school recorded the highest figure of 77.6%. 1st grade students in high school recorded the highest figure of 69.6%.
- Compared to 2021, all grade students in elementary, middle and high school recorded an increase in the participation rate.

<Table 3> 【 Private education participation rate by grade 】

(Unit: %, %p)

Classification	Elementary school								Middle school				High school			
		1st grade	2nd grade	3rd grade	4th grade	5th grade	6th grade		1st grade	2nd grade	3rd grade		1st grade	2nd grade	3rd grade	
2021	82.0	83.3	83.1	85.8	81.7	81.4	76.7	73.1	74.1	73.7	71.6	64.6	68.0	66.2	59.8	
<b>2022</b>	<b>85.2</b>	<b>85.7</b>	<b>88.0</b>	<b>87.6</b>	<b>86.3</b>	<b>82.0</b>	<b>82.0</b>	<b>76.2</b>	<b>77.6</b>	<b>76.2</b>	<b>74.7</b>	<b>66.0</b>	<b>69.6</b>	<b>66.8</b>	<b>61.6</b>	
Change	3.2	2.4	4.9	1.8	4.6	0.6	5.3	3.0	3.5	2.6	3.2	1.4	1.5	0.6	1.8	



### 3. Average monthly private education expenditures per student

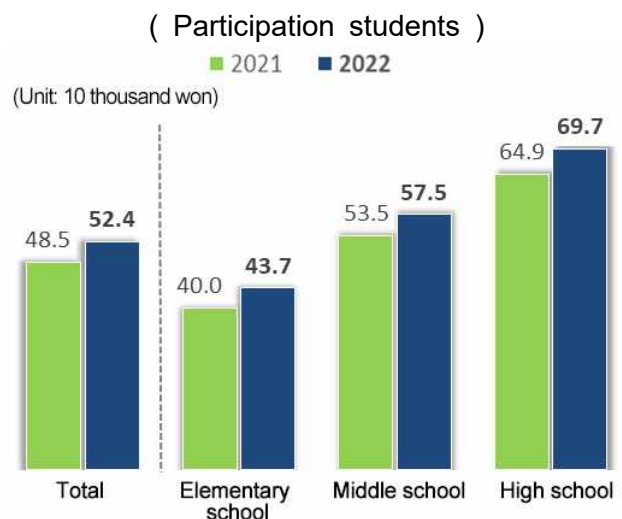
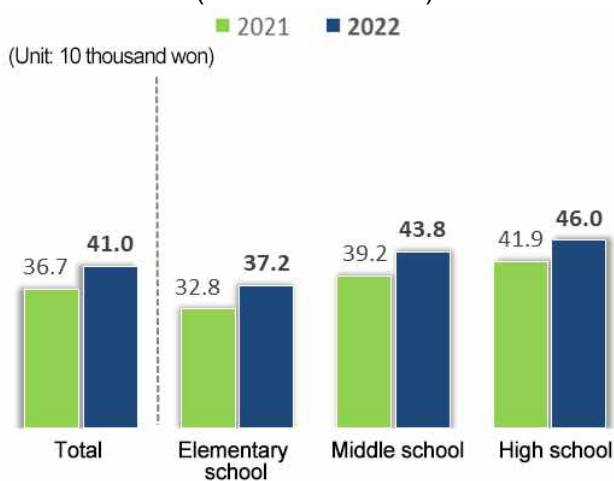
The average monthly private education expenditures per student recorded 410 thousand won in 2022, rising by 11.8% from 2021. The average monthly private education expenditures per participation student recorded 524 thousand won in 2022, rising by 7.9% from 2021.

- The average monthly private education expenditures recorded 460 thousand won per high school student, 438 thousand won per middle school student and 372 thousand won per elementary school student. Compared to 2021, the average monthly expenditures of elementary, middle and high school students went up by 13.4%, 11.8% and 9.7%, respectively.
- The average monthly private education expenditures recorded 697 thousand won per high school participation student, 575 thousand won per middle school participation student and 437 thousand won per elementary school participation student. Compared to 2021, the average monthly expenditures of elementary, middle and high school students went up by 9.2%, 7.4% and 7.3%, respectively.

<Table 4> 【 Average monthly private education expenditures per student by school level 】  
(Unit: 10 thousand won, %)

Classification	Total students				Participation students			
	Total	Elementary school	Middle school	High school	Total	Elementary school	Middle school	High school
2021	36.7	32.8	39.2	41.9	48.5	40.0	53.5	64.9
<b>2022</b>	41.0	37.2	43.8	46.0	52.4	43.7	57.5	69.7
Percent change	11.8	13.4	11.8	9.7	7.9	9.2	7.4	7.3

<Figure 5> 【 Average monthly private education expenditures per student by school level 】  
( Total students )



**As for the average monthly private education expenditures by grade, 1st grade students in high school marked the highest figure of 491 thousand won per student. 1st grade students in high school marked the highest figure of 706 thousand won per participation student.**

- As for the average monthly private education expenditures per student of the total students by grade, 6th grade students in elementary school recorded the highest figure of 403 thousand won. 3rd grade students in middle school recorded the highest figure of 449 thousand won. 1st grade students in high school recorded the highest figure of 491 thousand won.
- Compared to 2021, all grade students in elementary, middle and high school recorded an increase in the average monthly private education expenditures.
- As for the average monthly private education expenditures per student of the participation students by grade, 6th grade students in elementary school recorded the highest figure of 492 thousand won. 3rd grade students in middle school recorded the highest figure of 601 thousand won. 1st grade students in high school recorded the highest figure of 706 thousand won.
- Compared to 2021, all grade participation students in elementary, middle and high school recorded an increase in the average monthly private education expenditures.

<Table 5> 【 Average monthly private education expenditures per student by grade 】

(Unit: 10 thousand won, %)

Classification		Elementary school							Middle school				High school			
		1st grade	2nd grade	3rd grade	4th grade	5th grade	6th grade	1st grade	2nd grade	3rd grade	1st grade	2nd grade	3rd grade			
2021		32.8	27.0	29.6	35.4	34.4	35.7	34.2	39.2	37.3	39.3	40.9	41.9	44.5	43.1	38.3
2022		37.2	31.4	36.3	38.9	39.4	36.7	40.3	43.8	42.9	43.4	44.9	46.0	49.1	47.0	41.9
	Percent change	13.4	16.3	22.7	9.7	14.6	2.7	18.0	11.8	15.0	10.3	9.8	9.7	10.3	9.0	9.4

<Table 6> 【 Average monthly private education expenditures per participation student by grade 】

(Unit: 10 thousand won, %)

Source: U.S. Census Bureau, U.S. Census of Population, Housing, and Economic Characteristics, 2000

Classification	Elementary school							Middle school				High school				
		1st grade	2nd grade	3rd grade	4th grade	5th grade	6th grade		1st grade	2nd grade	3rd grade		1st grade	2nd grade	3rd grade	
2021		40.0	32.4	35.6	41.3	42.1	43.9	44.5	53.5	50.3	53.4	57.2	64.9	65.5	65.2	64.1
2022		43.7	36.7	41.3	44.4	45.7	44.8	49.2	57.5	55.2	56.9	60.1	69.7	70.6	70.4	68.1
	Percent change	9.2	13.0	15.9	7.4	8.5	2.0	10.4	7.4	9.8	6.6	5.1	7.3	7.8	8.0	6.2

#### 4. Average monthly private education expenditures by size

**The share of students spending 700 thousand won or more per month on private education went up by 3.3%p from 2021.**

- As for the average monthly private education expenditures, the share of student groups spending less than 400 thousand won showed a year-on-year decrease. Whereas, the share of student groups spending 400 thousand won or more showed a year-on-year increase.

- As for the average monthly private education expenditures by area, Seoul, metropolitan cities and cities showed the highest share of students spending 700 thousand won and over. 'Eup & Myeon' showed the highest share of students spending 100 thousand won ~ less than 200 thousand won.

<Table 7> 【 Average monthly private education expenditures per student by size 】

(Unit: %, %p)

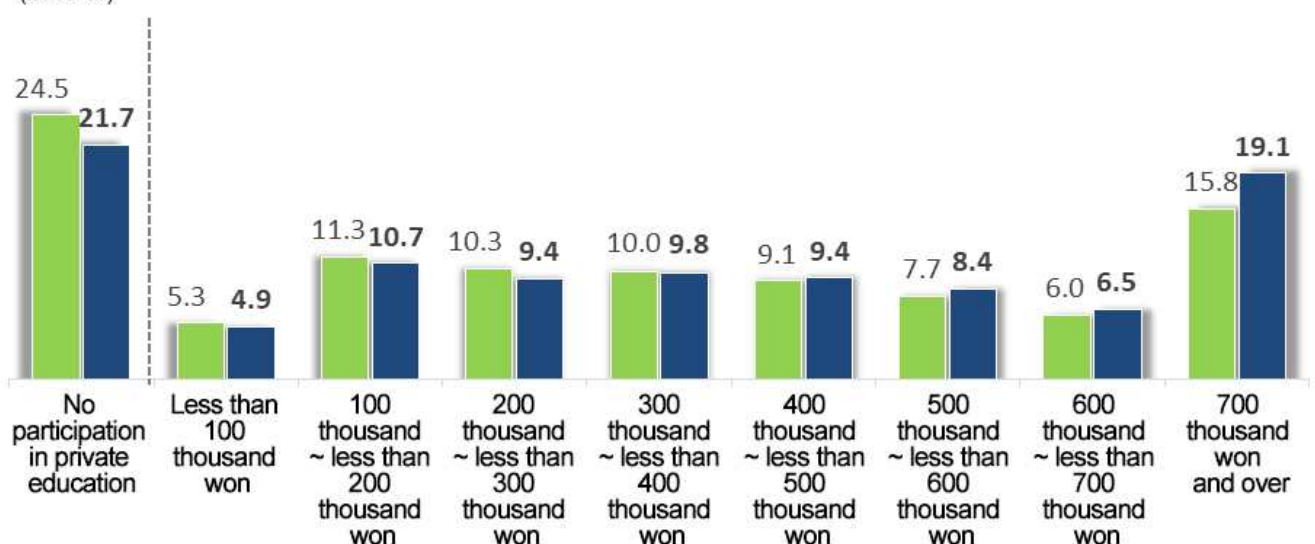
Classification		Total	No participation in private education	Less than 100 thousand won	100 thousand ~ less than 200 thousand won	200 thousand ~ less than 300 thousand won
Total	2021	100.0	24.5	5.3	11.3	10.3
	<b>2022</b>	100.0	21.7	4.9	10.7	9.4
	Change	0.0	-2.8	-0.3	-0.6	-0.9
Area	Seoul	100.0	15.7	3.8	7.1	6.9
	Metropolitan cities	100.0	21.8	5.0	10.7	9.9
	Cities*	100.0	20.9	4.9	10.8	9.2
	Eup and Myeon	100.0	29.4	5.9	13.9	11.2
Classification		300 thousand ~ less than 400 thousand won	400 thousand ~ less than 500 thousand won	500 thousand ~ less than 600 thousand won	600 thousand ~ less than 700 thousand won	700 thousand won and over
Total	2021	10.0	9.1	7.7	6.0	15.8
	<b>2022</b>	9.8	9.4	8.4	6.5	19.1
	Change	-0.2	0.3	0.7	0.5	3.3
Area	Seoul	7.8	7.8	8.1	7.4	35.5
	Metropolitan cities	9.8	9.9	8.8	6.6	17.6
	Cities*	10.4	9.8	8.8	6.9	18.3
	Eup and Myeon	10.2	9.2	7.1	4.5	8.5

\* Cities refer to 'Dong' in cities excluding Seoul and 6 metropolitan cities

<Figure 6> 【 Average monthly private education expenditures per student by size 】

■ 2021 ■ 2022

(Unit: %)



## 5. Average monthly private education expenditures per student by subject

The average monthly private education expenditures on general subjects amounted to 310 thousand won per student in 2022, going up by 10.2% from 2021. The average monthly private education expenditures on general subjects amounted to 490 thousand won per participation student in 2022, rising by 6.5% from 2021.

- As for the average monthly private education expenditures on general subjects, English recorded the highest figure of 123 thousand won per student, which was followed by mathematics (116 thousand won), Korean (34 thousand won) and 'Social studies and science' (18 thousand won).
- As for the average monthly private education expenditures on general subjects by grade, 6th grade students in elementary school spent the highest expenditures on English (136 thousand won). 3rd grade students in middle school spent the highest expenditures on mathematics (171 thousand won). 1st grade students in high school spent the highest expenditures on mathematics (184 thousand won).
- As for the average monthly private education expenditures on general subjects, English recorded the highest figure of 236 thousand won per participation student, which was followed by mathematics (220 thousand won), Korean (137 thousand won) and 'Social studies and science' (128 thousand won).
- As for the average monthly private education expenditures on general subjects by grade, 6th grade participation students in elementary school spent the largest expenditures on English (221 thousand won). 3rd grade participation students in middle school spent the largest expenditures on mathematics (276 thousand won). 2nd grade participation students in high school spent the largest expenditures on mathematics (356 thousand won).

<Table 8> 【 Average monthly private education expenditures per student by subject and grade 】  
(Unit: 10 thousand won, %)

Classification	Total students						Artistic & physical skills, hobbies and culture
	Total	General subjects	Korean	English	Mathematics	Social studies and science	
2021	36.7	28.1	3.0	11.2	10.5	1.6	8.3
2022	41.0	31.0	3.4	12.3	11.6	1.8	9.8
Percent change	11.8	10.2	13.0	10.2	9.7	9.5	17.8
Elementary school	37.2	23.4	2.2	10.8	7.1	0.9	13.8
1st grade	31.4	14.8	2.8	6.3	3.8	0.3	16.6
2nd grade	36.3	18.3	2.5	8.9	4.6	0.4	17.9
3rd grade	38.9	22.7	2.1	11.3	5.8	1.0	16.2
4th grade	39.4	25.9	2.1	12.2	7.7	1.1	13.5
5th grade	36.7	26.5	1.8	12.0	8.6	1.2	10.1
6th grade	40.3	31.3	2.0	13.6	11.4	1.5	8.9
Middle school	43.8	38.3	2.9	15.3	16.3	2.2	5.4
1st grade	42.9	36.8	2.3	15.3	15.3	1.5	6.0
2nd grade	43.4	38.4	2.8	15.4	16.4	2.2	4.9
3rd grade	44.9	39.5	3.5	15.1	17.1	2.7	5.2
High school	46.0	39.0	6.5	12.4	16.0	3.2	6.1
1st grade	49.1	44.2	6.7	15.2	18.4	3.4	4.4
2nd grade	47.0	40.3	6.5	13.1	17.0	3.1	6.0
3rd grade	41.9	32.8	6.3	8.9	12.8	3.1	8.0

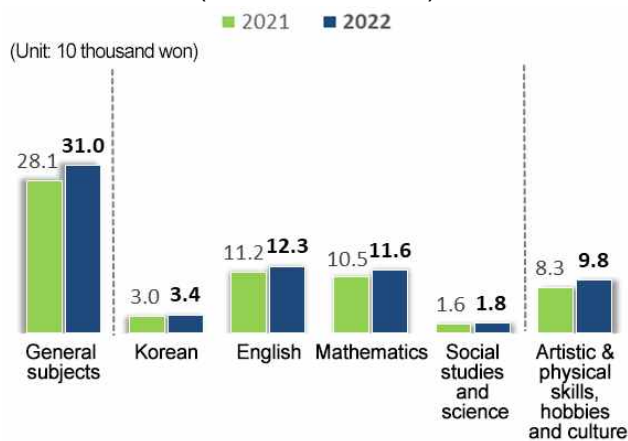
<Table 9> 【 Average monthly private education expenditures per participation student  
by subject and grade 】

(Unit: 10 thousand won, %)

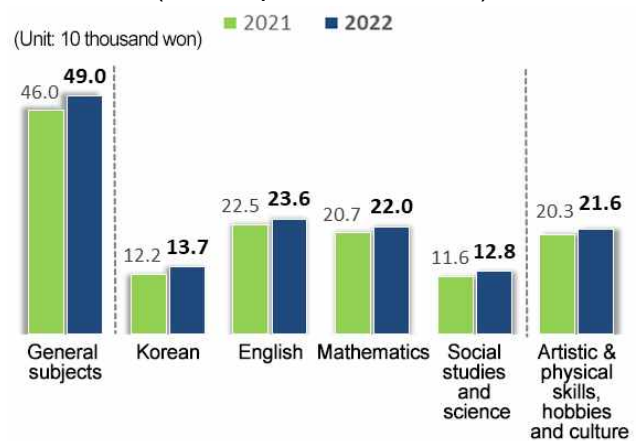
Classification	Participation students						
	Total	General subjects	Korean	English	Mathematics	Social studies and science	Artistic & physical skills, hobbies and culture
2021	48.5	46.0	12.2	22.5	20.7	11.6	20.3
2022	52.4	49.0	13.7	23.6	22.0	12.8	21.6
Percent change	7.9	6.5	11.7	4.9	6.0	9.8	6.7
Elementary school	43.7	36.3	8.1	20.4	14.0	7.2	20.3
1st grade	36.7	27.4	7.7	19.4	9.2	8.0	21.5
2nd grade	41.3	31.4	8.3	20.5	10.8	7.0	22.5
3rd grade	44.4	33.6	7.5	19.5	11.9	6.6	21.5
4th grade	45.7	37.5	7.8	20.3	14.4	6.5	19.5
5th grade	44.8	39.2	7.9	20.0	15.6	7.1	17.8
6th grade	49.2	45.0	9.5	22.1	18.9	8.4	17.7
Middle school	57.5	56.4	15.2	25.4	26.0	13.5	18.9
1st grade	55.2	53.7	12.9	25.0	24.6	11.1	17.0
2nd grade	56.9	55.7	14.9	25.3	25.7	12.8	18.0
3rd grade	60.1	59.5	17.3	26.0	27.6	16.0	22.7
High school	69.7	70.5	25.1	29.4	34.4	22.5	38.4
1st grade	70.6	72.2	24.0	29.6	33.4	22.6	27.9
2nd grade	70.4	71.4	25.8	30.6	35.6	23.6	35.5
3rd grade	68.1	67.4	25.7	27.4	34.3	21.5	51.9

<Figure 7> 【 Average monthly private education expenditures per student by subject 】

( Total students )



( Participation students )



## 6. Average monthly private education expenditures per student by type

As for the private education expenditures on general subjects and 'Artistic & physical skills, hobbies and culture' of the total students, 'Taking lessons at private academic institutes' recorded the highest figure. As for the private education expenditures on general subjects of participation students, 'Taking lessons at private academic institutes' recorded the highest figure. As for the private education expenditures on 'Artistic & physical skills, hobbies and culture' of participation students, 'One-on-one tutoring' recorded the highest figure.



- As for general subjects, the average monthly expenditures on 'Taking lessons at private academic institutes' recorded the highest figure of 221 thousand won per student, which was followed by 'One-on-one tutoring' (39 thousand won), 'Group tutoring' (23 thousand won) and 'Internet & correspondence lectures, etc.' (15 thousand won).
- As for general subjects, the average monthly expenditures on 'Taking lessons at private academic institutes' recorded the highest figure of 462 thousand won per participation student, which was followed by 'One-on-one tutoring' (393 thousand won), 'Group tutoring' (277 thousand won) and 'Internet & correspondence lectures, etc.' (135 thousand won).

<Table 10> 【 Average monthly private education expenditures per student by type 】

(Unit: 10 thousand won, %)

Classification	2021	2022	Percent change	Elementary school	Middle school	High school
Total	36.7	41.0	11.8	37.2	43.8	46.0
- General subjects	28.1	31.0	10.2	23.4	38.3	39.0
One-on-one tutoring	3.8	3.9	2.5	1.9	4.9	7.0
Group tutoring	2.4	2.3	-1.7	1.9	3.0	2.4
Taking lessons at private academic institutes	19.5	22.1	13.3	15.9	28.5	28.2
Textbooks with tutor's visit	1.2	1.1	-0.5	2.0	0.5	0.0
Internet & correspondence lectures, etc.	1.3	1.5	17.7	1.7	1.3	1.3
- Artistic & physical skills, hobbies and culture	8.3	9.8	17.8	13.8	5.4	6.1
One-on-one tutoring	1.2	1.3	9.3	1.2	1.1	1.6
Group tutoring	0.5	0.6	17.4	0.7	0.5	0.3
Taking lessons at private academic institutes	6.4	7.6	18.8	11.3	3.6	4.1
Tutor's visit, etc.	0.2	0.3	32.5	0.5	0.2	0.1

<Table 11> 【 Average monthly private education expenditures per participation student by type 】

(Unit: 10 thousand won, %)

Classification	2021	2022	Percent change	Elementary school	Middle school	High school
Total	48.5	52.4	7.9	43.7	57.5	69.7
- General subjects	46.0	49.0	6.5	36.3	56.4	70.5
One-on-one tutoring	37.4	39.3	4.9	25.9	40.4	53.7
Group tutoring	26.2	27.7	5.8	20.9	32.2	43.8
Taking lessons at private academic institutes	43.8	46.2	5.6	35.0	51.1	63.8
Textbooks with tutor's visit	9.9	10.6	8.0	10.8	9.4	8.8
Internet & correspondence lectures, etc.	12.6	13.5	7.5	13.2	14.5	13.3
- Artistic & physical skills, hobbies and culture	20.3	21.6	6.7	20.3	18.9	38.4
One-on-one tutoring	23.5	25.5	8.8	19.7	24.5	49.9
Group tutoring	14.3	16.1	12.0	14.5	18.7	24.1
Taking lessons at private academic institutes	18.9	20.2	6.7	19.2	17.2	37.3
Tutor's visit, etc.	7.9	8.0	1.9	7.7	8.8	9.8

## 7. Private education by purpose

**As for the private education of general subjects by purpose, 'Study in advances' and 'Preparation for higher school level' showed a year-on-year increase. As for the private education of artistic and physical skills, 'Hobbies, culture and development of talent' and 'Child care, etc.' showed a year-on-year increase.**

- As for the private education of general subjects by purpose, the share of 'Study in advance', 'Preparation for higher school level' and 'Child care, anxiety, making friends, etc.' went up by 0.3%p, 0.1%p and 0.1%p, respectively. In the meantime, the share of 'Makeup for classes' went down by 0.4%p.
- As for elementary and middle school students, 'Makeup for classes' and 'Study in advance' were major purposes of private education. As for high school students, 'Makeup for classes' and 'Preparation for higher school level' were major purposes of private education.

<Table 12> 【 Private education of general subjects by purpose 】

(Unit: %, %p)

Classification		Preparation for higher school level	Study in advance	Makeup for classes	Child care, anxiety, to make friends, etc.
Total	2021	14.2	23.8	50.5	11.5
	2022	14.2	24.1	50.0	11.6
	Change	0.1	0.3	-0.4	0.1
School level	Elementary school	6.1	25.5	50.5	18.0
	Middle school	15.8	27.1	51.6	5.4
	High school	32.0	16.9	46.9	4.1

- As for the private education of 'Artistic & physical skills, hobbies and culture' by purpose, compared to 2021, the share of 'Hobbies, culture and development of talent' and 'Child care, etc.' went up by 1.6%p and 0.2%p, respectively. Whereas, 'Makeup for classes', 'To make friends' and 'Preparation for higher school level' went down by 0.8%p, 0.7%p and 0.3%p, respectively.
- As for elementary and middle school students, 'Hobbies, culture and development of talent' was the major purpose of private education. As for high school students, 'Preparation for higher school level' and 'Hobbies, culture and development of talent' were major purposes of private education.

<Table 13> 【 Private education of 'Artistic & physical skills, hobbies and culture' by purpose 】

(Unit: %, %p)

Classification		Preparation for higher school level	Makeup for classes	Hobbies, culture and development of talent	To make friends	Child care, etc.
Total	2021	8.9	6.9	61.9	8.7	13.7
	2022	8.6	6.1	63.4	8.0	13.9
	Change	-0.3	-0.8	1.6	-0.7	0.2
School level	Elementary school	3.0	6.3	64.4	8.9	17.4
	Middle school	16.3	4.2	70.9	6.5	2.2
	High school	48.6	7.3	40.7	2.3	1.0

## 8. Private education expenditures and participation rate by household income

**The higher household income level, the higher education expenditures and the participation rate.**

- The average monthly expenditures private education of households earning less than 3 million won marked 178 thousand won, which rose by 12.2% from 2021. The average monthly expenditures of households earning 8 million won and over marked 648 thousand won, which rose by 9.2% from 2021.
- The participation rate of households earning less than 3 million won stood at 57.2%, up 3.5%p from 2021. The participation rate of households earning 8 million won and over stood at 88.1%, up 2.2%p from 2021.

<Table 14> 【 Average monthly private education expenditures per student and participation rate by household income 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
Total	36.7	41.0	11.8	75.5	78.3	2.8
Less than 3 million won	15.8	17.8	12.2	53.8	57.2	3.5
Less than 2 million won	11.6	12.4	7.0	46.6	49.9	3.3
2 million ~ less than 3 million won	18.0	20.5	13.7	57.6	61.0	3.5
3 million ~ less than 4 million won	25.3	27.2	7.5	70.0	70.4	0.4
4 million ~ less than 5 million won	33.2	35.1	5.7	77.2	78.7	1.6
5 million ~ less than 6 million won	38.1	39.9	5.0	80.3	81.2	0.9
6 million ~ less than 7 million won	44.4	46.9	5.6	83.5	84.8	1.4
7 million ~ less than 8 million won	48.6	51.8	6.5	84.9	86.6	1.6
8 million won and over	59.3	64.8	9.2	86.0	88.1	2.2

<Table 15> 【 Average monthly private education expenditures per student by household income and school level 】

(Unit: 10 thousand won, %)

Classification	2021			2022			Percent change		
	Elementary school	Middle school	High school	Elementary school	Middle school	High school	Elementary school	Middle school	High school
Total	32.8	39.2	41.9	37.2	43.8	46.0	13.4	11.8	9.7
Less than 3 million won	14.9	16.6	16.9	17.3	19.1	17.4	15.9	15.3	2.9
Less than 2 million won	11.5	11.7	11.8	12.3	13.8	11.4	6.4	18.3	-3.5
2 million ~ less than 3 million won	16.5	19.3	19.8	19.7	22.0	20.5	19.5	13.9	3.8
3 million ~ less than 4 million won	22.6	27.7	29.6	25.0	29.0	30.4	10.8	5.0	2.9
4 million ~ less than 5 million won	30.1	35.2	37.7	32.0	37.6	39.4	6.5	6.7	4.4
5 million ~ less than 6 million won	34.8	39.8	42.9	36.3	43.0	44.7	4.1	8.1	4.1
6 million ~ less than 7 million won	39.4	46.4	52.1	42.7	49.1	53.2	8.4	5.8	2.2
7 million ~ less than 8 million won	42.7	53.3	55.7	46.5	54.3	60.1	8.8	1.9	8.1
8 million won and over	53.6	62.0	67.0	59.2	67.9	72.1	10.4	9.4	7.6

&lt;Table 16&gt; 【 Private education participation rate by household income and school level 】

(Unit: %, %p)

Classification	2021			2022			Change		
	Elementary school	Middle school	High school	Elementary school	Middle school	High school	Elementary school	Middle school	High school
Total	82.0	73.1	64.6	85.2	76.2	66.0	3.2	3.0	1.4
Less than 3 million won	61.0	50.8	43.1	66.2	54.7	42.9	5.2	3.9	-0.2
Less than 2 million won	54.5	43.7	36.2	58.7	48.9	35.2	4.3	5.3	-1.1
2 million ~ less than 3 million won	64.2	54.9	47.0	69.9	57.9	47.0	5.7	3.0	0.0
3 million ~ less than 4 million won	76.4	66.6	57.9	77.4	67.2	57.6	1.0	0.6	-0.3
4 million ~ less than 5 million won	84.5	74.0	64.5	86.3	75.2	65.0	1.7	1.2	0.4
5 million ~ less than 6 million won	88.0	76.4	68.3	88.0	78.7	68.8	0.0	2.3	0.5
6 million ~ less than 7 million won	89.5	82.0	73.1	91.1	83.2	73.3	1.6	1.3	0.2
7 million ~ less than 8 million won	90.5	84.3	74.4	93.3	84.1	75.1	2.9	-0.2	0.6
8 million won and over	91.3	84.3	78.0	93.9	87.4	78.3	2.6	3.1	0.2

## 9. Private education expenditures and participation rate by parents' economic activity

**'Dual income households' recorded the highest private education expenditures and the highest participation rate.**

○ The average monthly private education expenditures of 'Dual income households' recorded 432 thousand won per student, going up by 11.2% from 2021.

- The average monthly expenditures of 'Single income households by fathers' and 'Single income households by mothers' recorded 410 thousand won and 270 thousand won, respectively.

&lt;Table 17&gt; 【 Average monthly private education expenditures per student and participation rate by parents' economic activity 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
Total	36.7	41.0	11.8	75.5	78.3	2.8
- Single income households	34.6	38.9	12.5	73.1	76.9	3.8
Father	36.5	41.0	12.3	75.5	79.3	3.7
Mother	23.5	27.0	15.1	58.9	63.8	4.9
- Dual income households	38.8	43.2	11.2	78.2	80.2	2.0
- Economically inactive households	14.8	14.6	-1.8	45.1	41.7	-3.3

## 10. Private education expenditures and participation rate by the number of children

**As for the average monthly private education expenditures and the participation rate, the households with 1 child showed the highest figure.**

- The average monthly private education expenditures of households with 1 child showed the highest figure of 461 thousand won per student, which was followed by those with 2 children (430 thousand won per student) and those with 3 children or more (320 thousand won per student).
- The participation rate of households with 1 child showed the highest figure of 81.5%, which was followed by those with 2 children (80.5%) and those with 3 children or more (70.0%).

<Table 18> 【 Average monthly private education expenditures per student by the number of children 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
Total	36.7	41.0	11.8	75.5	78.3	2.8
1 child	41.2	46.1	11.8	79.4	81.5	2.1
2 children	38.7	43.0	11.2	77.3	80.5	3.2
3 children or more	28.2	32.0	13.6	68.1	70.0	1.9

## 11. Private education expenditures and participation rate by school performance

**The higher school performance, the higher average monthly private education expenditures and the participation rate.**

- The average monthly private education expenditures of students recording 'Within top 10%' of school performance amounted to 590 thousand won, rising by 10.8% from 2021. On the other hand, the average monthly expenditures of students recording 'Within bottom 20%' of school performance amounted to 323 thousand won, rising by 11.2% from 2021.
- The participation rate of students recording 'Within top 10%' of school performance stood at 77.5%, up 3.0%p from 2021. In the meantime, the participation rate of students recording 'Within bottom 20%' of school performance stood at 54.0%, up 2.3%p from 2021.

<Table 19> 【 Average monthly private education expenditures per high school student and participation rate by school performance 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
Total	41.9	46.0	9.7	64.6	66.0	1.4
Within top 10%	53.3	59.0	10.8	74.6	77.5	3.0
11 ~ 30%	49.4	54.5	10.3	72.0	73.6	1.6
31 ~ 60%	44.3	47.8	7.9	67.4	67.5	0.1
61 ~ 80%	37.4	41.0	9.6	60.1	61.4	1.2
81 ~ 100%	29.0	32.3	11.2	51.7	54.0	2.3

\* Since 2018, data by school performance has covered only high school students.

## 12. Private education expenditures and participation rate by area

**Among 4 areas, Seoul showed the highest figure of private education expenditures for the total students and the participation students.**



- As for the average monthly private education expenditures per student by area, Seoul marked the highest figure, which was followed by cities, metropolitan cities and 'Eup & Myeon'.
- Compared to 2021, all 4 areas of 'Eup & Myeon' (14.6%), Seoul (12.8%), cities (11.7%) and metropolitan cities (10.4%) recorded a rise in private education expenditures per student.
- As for the average monthly private education expenditures per participation student by area, Seoul marked the highest figure, which was followed by cities, metropolitan cities and 'Eup & Myeon'.
- Compared to 2021, all 4 areas of Seoul (9.0%), 'Eup & Myeon' (9.0%), cities (7.7%) and metropolitan cities (7.2%) recorded a rise in private education expenditures per participation student.

<Table 20> 【 Average monthly private education expenditures per student by area 】

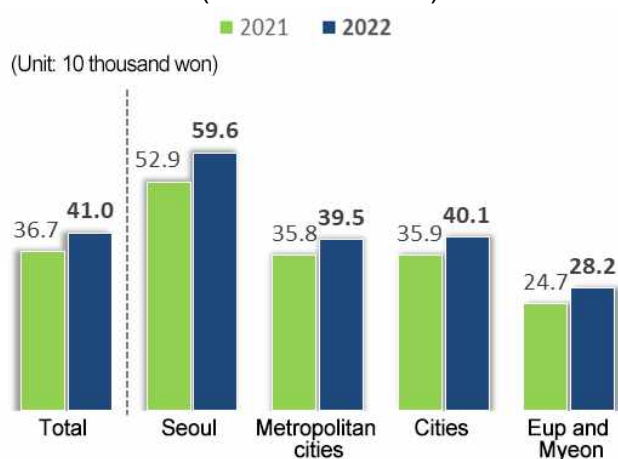
(Unit: 10 thousand won, %)

Classification	Total students					Participation students				
	Total	Seoul	Metropolitan cities	Cities*	Eup and Myeon	Total	Seoul	Metropolitan cities	Cities*	Eup and Myeon
2021	36.7	52.9	35.8	35.9	24.7	48.5	64.9	47.1	47.1	36.7
<b>2022</b>	<b>41.0</b>	<b>59.6</b>	<b>39.5</b>	<b>40.1</b>	<b>28.2</b>	<b>52.4</b>	<b>70.7</b>	<b>50.6</b>	<b>50.7</b>	<b>40.0</b>
Percent change	11.8	12.8	10.4	11.7	14.6	7.9	9.0	7.2	7.7	9.0
Elementary school	37.2	53.6	36.1	36.2	27.6	43.7	58.8	42.3	42.4	34.6
Middle school	43.8	60.5	43.1	43.4	29.7	57.5	74.9	56.1	55.9	44.7
High school	46.0	70.3	43.0	44.8	28.2	69.7	93.7	66.2	66.4	52.7

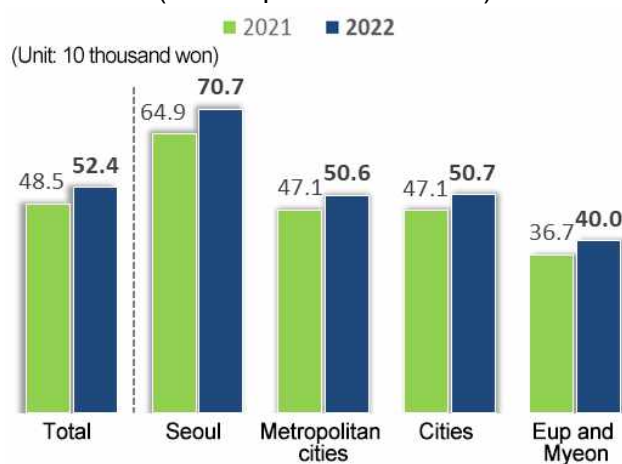
\* Cities refer to 'Dong' in cities excluding Seoul and 6 metropolitan cities.

<Figure 8> 【 Average monthly private education expenditures per student by area 】

( Total students )



( Participation students )



As for the average monthly private education expenditures of the total students by metropolitan city and province, Seoul, Gyeonggi, Daegu, and Sejong recorded high figures. As for the average monthly private education expenditures of participation students by metropolitan city and province, Seoul, Daegu and Gyeonggi recorded high figures.

- As for the private education expenditures of participation students by metropolitan city and province, Seoul, Daegu and Gyeonggi recorded a higher figure compared to the nation.
- As for the private education expenditures of high school participation students by metropolitan city and province, Seoul recorded the highest figure of 937 thousand won, which was followed by Gyeonggi (727 thousand won) and Daegu (704 thousand won).
- As for the private education expenditures of middle school participation students by metropolitan city and province, Seoul recorded the highest figure of 749 thousand won, which was followed by Daegu (601 thousand won), Gyeonggi (599 thousand won) and Sejong (581 thousand won).
- As for the private education expenditures of elementary school participation students by metropolitan city and province, Seoul recorded the highest figure of 588 thousand won, which was followed by Daegu (463 thousand won), Gyeonggi (453 thousand won) and Sejong (445 thousand won).
- As for the private education participation rate by metropolitan city and province, Seoul, Gyeonggi, Sejong, Daegu, Busan and Ulsan recorded a higher figure compared to the nation.

<Table 21> 【 Average monthly private education expenditures per student and participation rate by metropolitan city and province in 2022】

Classification	Private education expenditures (10 thousand won)					Participation rate (%)
	Total students	Participation students	Elementary school	Middle school	High school	
Total	41.0	52.4	43.7	57.5	69.7	78.3
Seoul	59.6	70.7	58.8	74.9	93.7	84.3
Busan	39.5	50.2	41.1	56.9	67.9	78.7
Daegu	43.7	54.7	46.3	60.1	70.4	79.9
Incheon	38.6	49.5	41.2	53.8	67.7	77.9
Gwangju	35.6	47.5	38.8	54.6	60.5	74.9
Daejeon	38.9	50.0	42.7	54.7	63.9	77.7
Ulsan	36.7	46.8	41.1	51.3	57.8	78.4
Sejong	41.8	51.9	44.5	58.1	68.1	80.5
Gyeonggi	44.6	54.3	45.3	59.9	72.7	82.1
Gangwon	29.6	42.1	35.8	45.9	55.2	70.3
Chungbuk	31.8	43.4	37.1	49.4	54.3	73.1
Chungnam	29.2	42.4	34.5	48.0	57.7	68.9
Jeonbuk	29.6	41.8	34.4	44.3	56.9	70.8
Jeonnam	26.1	38.7	33.2	44.2	47.4	67.6
Gyeongbuk	29.4	40.5	34.8	44.8	51.4	72.8
Gyeongnam	31.1	41.3	35.0	48.5	50.2	75.3
Jeju	31.4	42.8	35.8	47.9	58.0	73.3

## Ⅱ. After-school Programs, EBS Textbooks and Language Courses

### 1. Expenditures and participation rate of after-school programs and language courses

**The after-school program participation rate recorded 36.2%. The language course participation rate recorded 0.2%.**

- The expenditures on after-school programs amounted to 688.6 billion won, which grew by 55.3% from 2021. The paid and free after-school program participation rate stood at 36.2%, up 7.3%p from 2021.

<Table 22> 【 Expenditures and participation rate of after-school programs 】

Classification	Total education expenditures (100 million won, %)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
After-school programs (paid and free)	4,434	6,886	55.3	28.9	36.2	7.3

- The expenditures on language courses amounted to 37.6 billion won, which rose by 205.2% from 2021. The language course participation rate recorded 0.2%, up 0.1%p from 2021.

<Table 23> 【 Expenditures and participation rate of language courses 】

Classification	Total education expenditures (100 million won, %)			Participation rate (%, %p)		
	2021	2022	Percent change	2021	2022	Change
Language courses*	123	376	205.2	0.1	0.2	0.1

\* Language courses: 8 months (Jan. ~ May, July ~ Sep.)

### 2. After-school program participation rate

**The paid and free after-school program participation rate stood at 36.2% in 2022. The paid after-school program participation rate stood at 24.4% in 2022.**

- The paid and free after-school program participation rate marked 36.2% in 2022, rising by 7.3%p from 2021.
  - Compared to 2021, the paid and free after-school program participation rate of elementary, middle and high school students went up by 11.7%p, 4.9%p and 0.8%p, respectively.
- The paid after-school program participation rate marked 24.4% in 2022, rising by 5.2%p from 2021.

- Compared to 2021, the paid after-school program participation rate of elementary and middle school students went up by 12.3%p and 0.5%p, respectively. Whereas, the paid after-school program participation rate of high school students went down by 4.9%p.

<Table 24> 【 After-school program participation rate by school level 】

(Unit: %, %p)

Classification	Paid and free after-school program participation rate			Paid after-school program participation rate		
	2021	2022	Change	2021	2022	Change
Total	28.9	36.2	7.3	19.3	24.4	5.2
Elementary school	35.3	47.0	11.7	27.3	39.6	12.3
Middle school	15.3	20.2	4.9	3.7	4.2	0.5
High school	29.8	30.6	0.8	19.0	14.1	-4.9

### 3. Percentage of students purchasing EBS textbooks for autonomous learning

**The percentage of students purchasing EBS textbooks for autonomous learning stood at 16.4% in 2022, down 2.7%p from 2021.**

- High school students recorded the highest percentage of students purchasing EBS textbooks at 30.5%, which was followed by elementary school students (12.6%) and middle school students (10.7%).
- Compared to 2021, the share of elementary, high and middle school students purchasing EBS textbooks went down by 3.3%p, 2.1%p and 1.6%p, respectively.

<Table 25> 【 Percentage of students purchasing EBS textbooks by school level 】

(Unit: %, %p)

Classification	Total	Elementary school	Middle school	High school
2021	19.1	15.9	12.2	32.6
<b>2022</b>	16.4	12.6	10.7	30.5
Change	-2.7	-3.3	-1.6	-2.1

### 4. Language course participation rate

**The language course participation rate stood at 0.2% in 2022, up 0.1%p from 2021.**

- As for language course participation rate by school level, elementary, middle and high school students recorded 0.2%, 0.1% and 0.1%, respectively.
- Compared to 2021, the share of elementary, middle and high school students participating in language courses went up by 0.1%p, 0.1%p and 0.0%p, respectively.

<Table 26> 【 Language course participation rate by school level 】

(Unit: %, %p)

Classification	Total	Elementary school	Middle school	High school
2021	0.1	0.1	0.0*	0.0*
<b>2022</b>	0.2	0.2	0.1	0.1
Change	0.1	0.1	0.1	0.0*

\* '0.0' indicates less than unit owing to rounding.