



Private Education Expenditures Survey of Elementary, Middle and High School Students in 2021

The total private education expenditures of elementary, middle and high school students recorded 23.4 trillion won in 2021, which rose by 21.0% from 2020. The private education participation rate stood at 75.5% in 2021, up 8.4%p from 2020. The weekly participation hours marked 6.7 hours per student in 2021, which grew by 1.5 hours from 2020.

- The total private education expenditures grew by 4.1 trillion won (21.0%) from 19.4 trillion won in 2020 to 23.4 trillion won in 2021.
- Compared to 2020, 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	2019	2020	2021	Percent change
Private education expenditures (trillion won, %)	21.0	19.4	23.4	21.0
Total number of students (10,000 persons, %)	545	535	532	-0.4

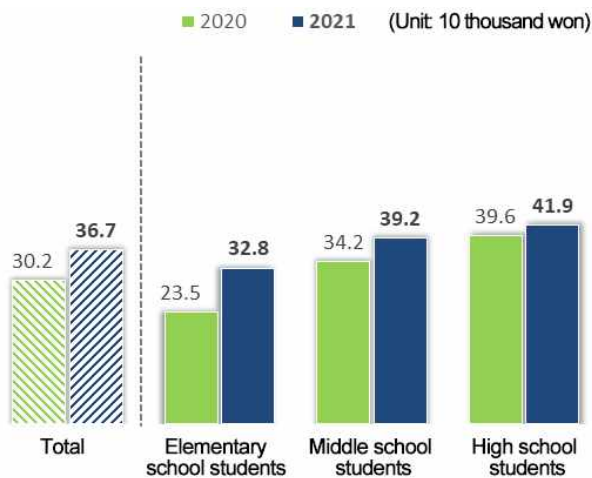
【 Private education participation rate and weekly participation hours 】

Classification	2019	2020	2021	Change
Participation rate (% , %p)	74.8	67.1	75.5	8.4
Weekly participation hours (hour)	6.5	5.3	6.7	1.5

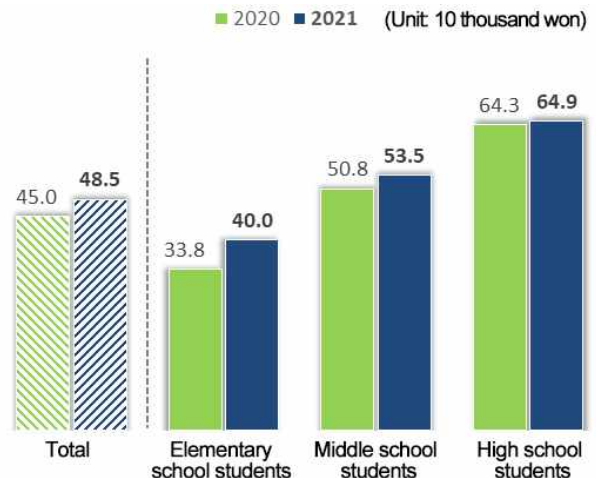
The average monthly private education expenditures per student recorded 367 thousand won in 2021, rising by 21.5% from 2020. The average monthly private education expenditures per participation student recorded 485 thousand won in 2021, rising by 8.0% from 2020.

- (Total students)
The average monthly private education expenditures per elementary school student recorded 328 thousand won (93 thousand won, 39.4%↑). The average monthly private education expenditures per middle school student recorded 392 thousand won (50 thousand won, 14.6%↑). The average monthly private education expenditures per high school student recorded 419 thousand won (24 thousand won, 6.0%↑).
- (Participation students)
The average monthly private education expenditures per elementary school participation student marked 400 thousand won (62 thousand won, 18.5%↑). The average monthly private education expenditures per middle school participation student marked 535 thousand won (28 thousand won, 5.5%↑). The average monthly private education expenditures per high school participation student marked 649 thousand won (7 thousand won, 1.0%↑).

【 Average monthly private education expenditures per student 】



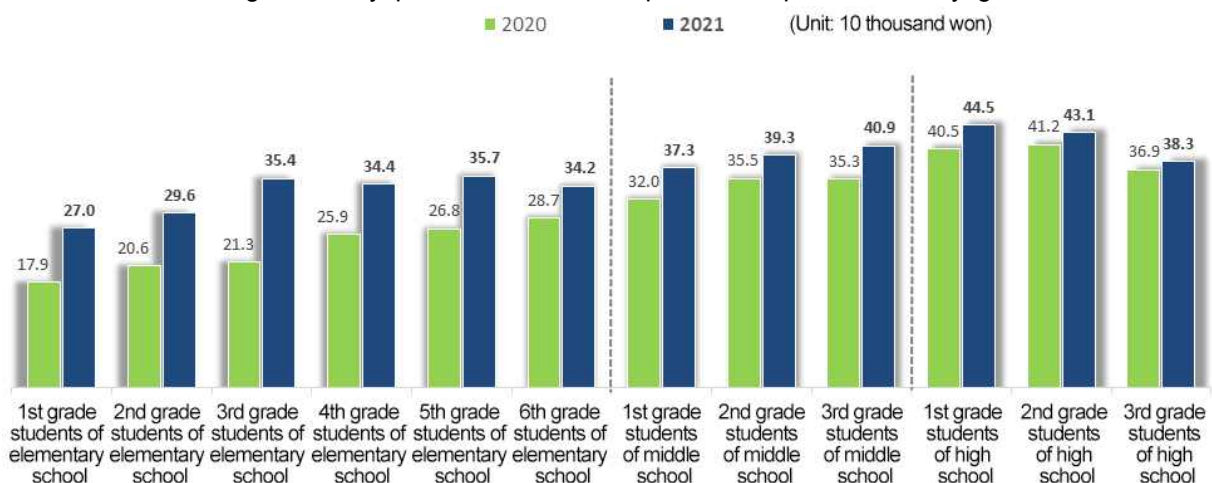
【 Average monthly private education expenditures per participation student 】



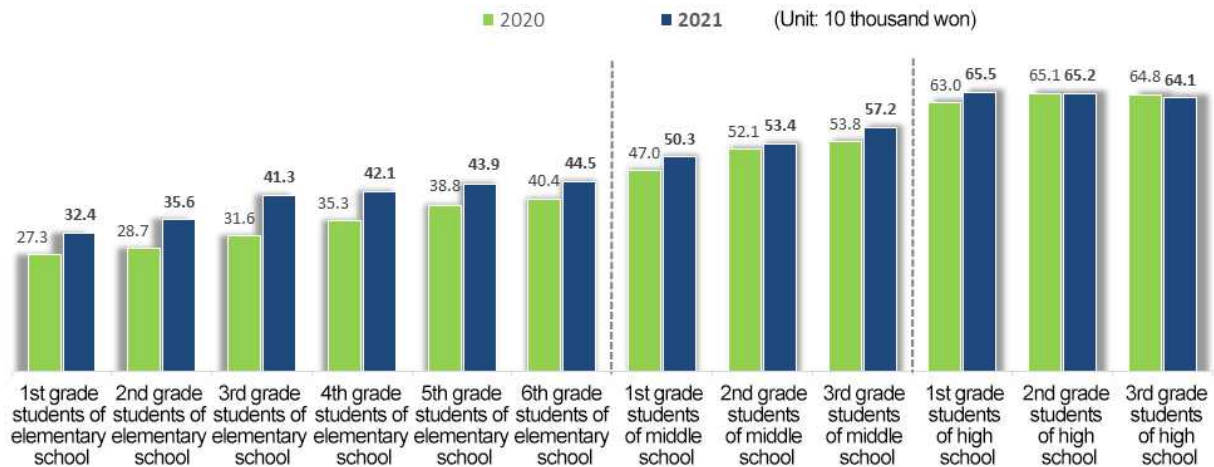
As for the average monthly private education expenditures of the total students by grade, 1st grade students in high school recorded the highest figure of 445 thousand won. As for the average monthly private education expenditures of the participation students by grade, 1st grade students in high school recorded the highest figure of 655 thousand won.

- As for the average monthly private education expenditures of the total students by grade, 5th grade students in elementary school recorded the highest figure of 357 thousand won. 3rd grade students in middle school recorded the highest figure of 409 thousand won. 1st grade students in high school recorded the highest figure of 445 thousand won.
 - Compared to 2020, all grade students in elementary, middle and high school recorded an increase.
- As for the average monthly private education expenditures of the participation students by grade, 6th grade students in elementary school recorded the highest figure of 445 thousand won. 3rd grade students in middle school recorded the highest figure of 572 thousand won. 1st grade students in high school recorded the highest figure of 655 thousand won.
 - Compared to 2020, all grade students in elementary and middle school recorded an increase. As for high school, 1st and 2nd grade students recorded an increase, while 3rd grade students recorded a decrease.

【 Average monthly private education expenditures per student by grade 】



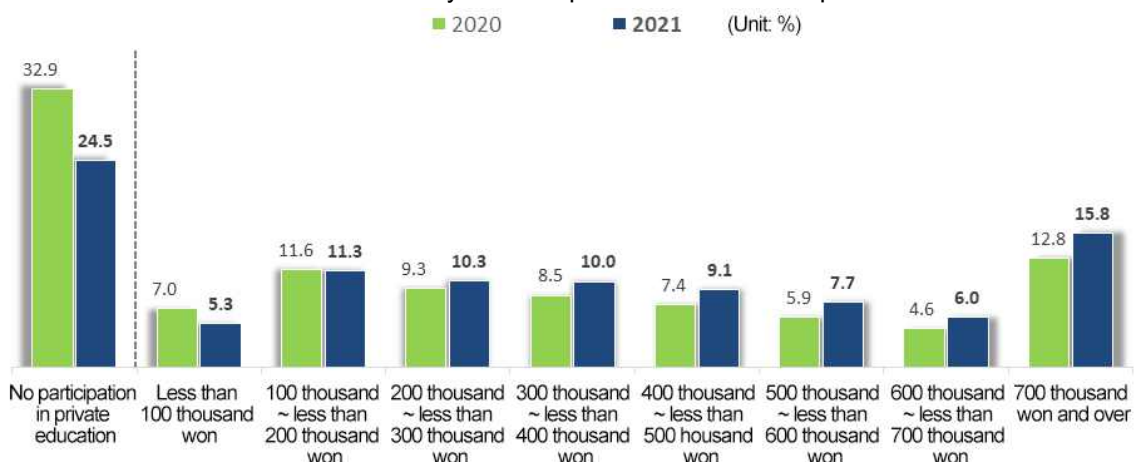
【 Average monthly private education expenditures per participation student by grade 】



As for the average monthly private education expenditures, the share of students spending 700 thousand won or more went up by 3.0%p from 2020.

- As for the average monthly private education expenditures, the share of students spending less than 200 thousand won showed a year-on-year decrease. Whereas, the share of students spending 200 thousand won or more showed a year-on-year increase.

【 Share of students by size of private education expenditures 】

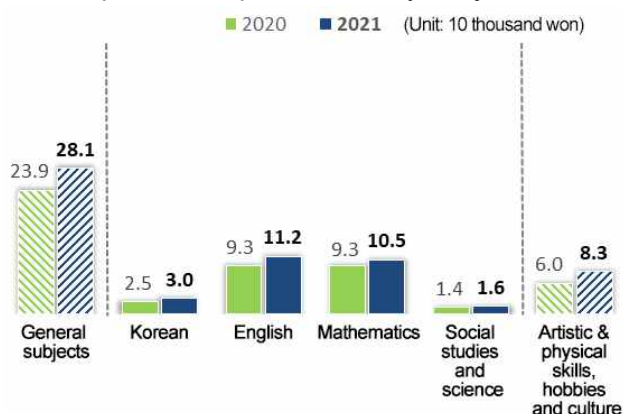


The average monthly private education expenditures on general subjects amounted to 281 thousand won per student in 2021, rising by 17.6% from 2020. The average monthly private education expenditures on general subjects amounted to 460 thousand won per participation student in 2021, rising by 1.4% from 2020.

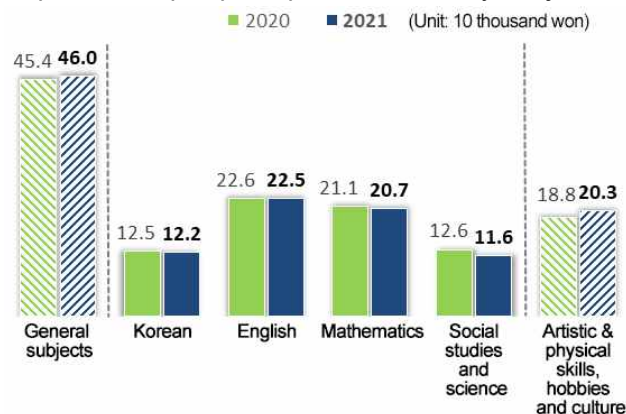
- (Total students)
As for the total students, the average monthly private education expenditures on English recorded the highest figure of 112 thousand won, which was followed by mathematics (105 thousand won) and Korean (30 thousand won).
- Compared to 2020, the average monthly private education expenditures on Korean (20.9%), English (19.7%), 'Social studies and science' (19.7%) and mathematics (12.8%) recorded an increase.
- (Participation students)
As for the participation students, the average monthly private education expenditures on English recorded the highest figure of 225 thousand won, which was followed by mathematics (207 thousand won) and Korean (122 thousand won).

- Compared to 2020, the average monthly private education expenditures on 'Social studies and science' (-7.9%), Korean (-1.8%), mathematics (-1.7%) and English (-0.3%) recorded a decrease.

【 Average monthly private education expenditures per student by subject 】



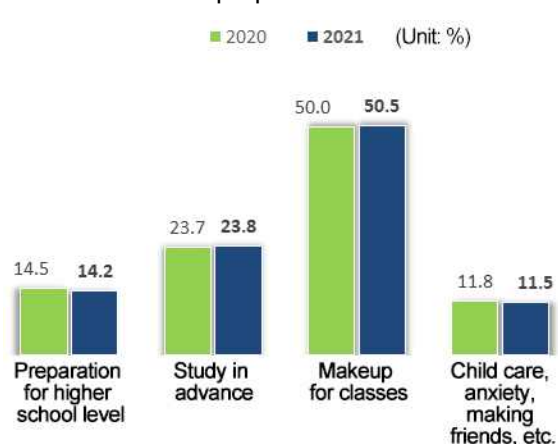
【 Average monthly private education expenditures per participation student by subject 】



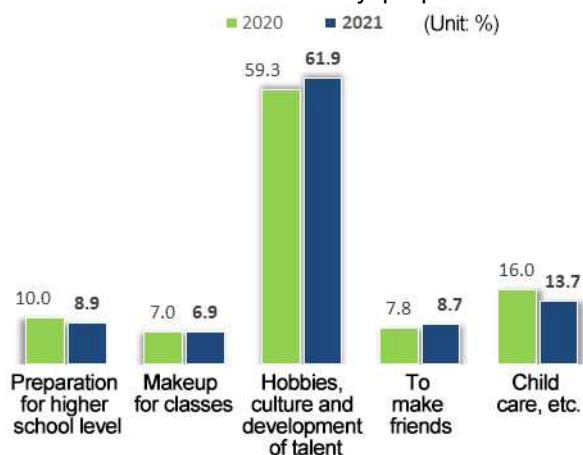
As for the private education of general subjects by purpose, 'Makeup for classes' and 'Study in advance' showed a year-on-year increase. As for the private education of artistic and physical skills, 'Hobbies, culture and development of talent' and 'To make friends' showed a year-on-year increase.

- As for the purposes of general subjects, 'Makeup for classes' occupied the highest share at 50.5%, which was followed by 'Study in advance' (23.8%) and 'Preparation for higher school level' (14.2%). Compared to 2020, 'Makeup for classes' and 'Study in advance' recorded an increase. Whereas, 'Preparation for higher school level' recorded a decrease.
- As for the purposes of artistic and physical skills, 'Hobbies, culture and development of talent' occupied the highest share at 61.9%. Compared to 2020, 'Hobbies, culture and development of talent' and 'To make friends' recorded an increase. Whereas, 'Child care, etc.' and 'Preparation for higher school level' recorded a decrease.

【 Private education of general subjects by purpose 】



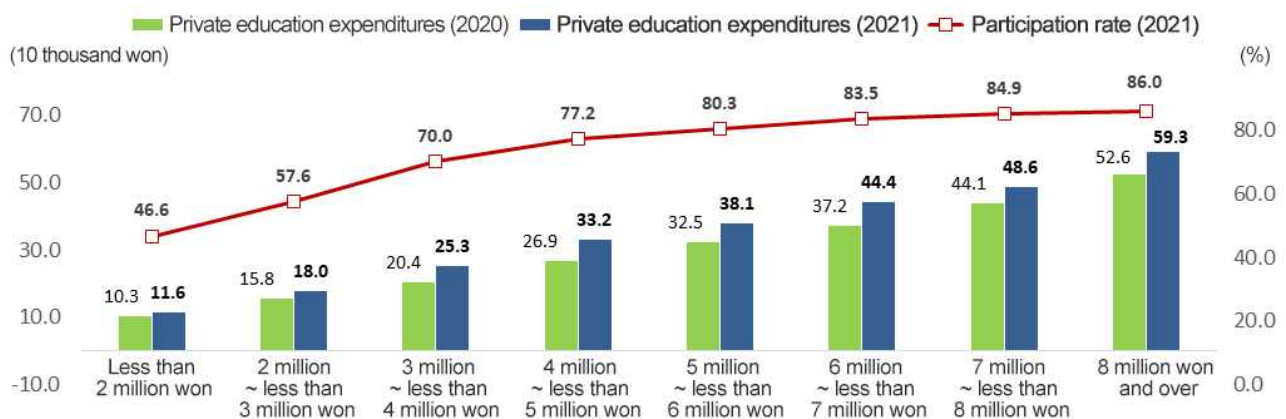
【 Private education of artistic & physical skills, hobbies and culture by purpose 】



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 593 thousand won per student. Whereas, the households earning less than 2 million won recorded 116 thousand won per student.
- As for the participation rate, the households earning 8 million won or more recorded the highest figure at 86.0%. Whereas, the households earning less than 2 million won recorded the lowest figure at 46.6%.

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



The after-school program participation rate stood at 28.9%. The language course participation rate stood at 0.1%.

- The expenditures on paid and free after-school programs amounted to 440 billion won, decreasing by 52.1% from 2019. The paid and free after-school program participation rate recorded 28.9%, down 19.6%p from 2019.

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

Classification	Total expenditures (100 million won)				Participation rate (%, %p)			
	2019	2020	2021	Percent change*	2019	2020	2021	Change*
After-school programs (paid and free)*	9,250	309	4,434	-52.1	48.4	9.5	28.9	-19.6

* After-school programs: 2019, 2021 (Annual: Jan. ~ Dec.), 2020 (6 months: March ~ May, July ~ Sep.)

** Percent change and change compared to 2019, based on annualized data

- The expenditures on language courses totaled 10 billion won, decreasing by 91.7% from 2020. The language course participation rate recorded 0.1%, down 0.4%p from 2020.

【 Language courses and participation rate 】

Classification	Total expenditures (100 million won)				Participation rate (%, %p)			
	2019	2020	2021	Percent change	2019	2020	2021	Change
Language courses*	4,451	1,485	123	-91.7	0.6	0.4	0.1	-0.4

* Language courses: 2019 (Annual: Jan. ~ Dec.), 2020 ~ 2021 (8 months: Jan. ~ May, July ~ Sep.)

I. Results of the Private Education Expenditures Survey of Elementary, Middle and High School Students in 2021

1. Total private education expenditures

The total private education expenditures of elementary, middle and high school students recorded 23.4 trillion won in 2021, rising by 21.0% from 2020.

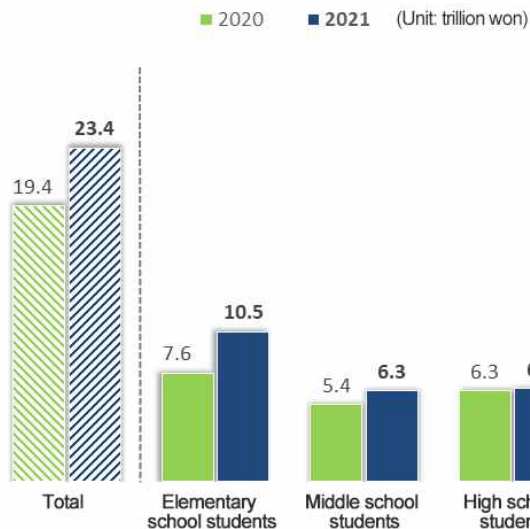
- In 2021, the private education expenditures of elementary, middle and high school students amounted to 10.5 trillion won, 6.3 trillion won and 6.5 trillion won, respectively.
- Compared to 2020, the private education expenditures of elementary, middle and high school students grew by 38.3%, 17.7% and 3.0%, respectively.

<Table 1> 【 Private education expenditures 】

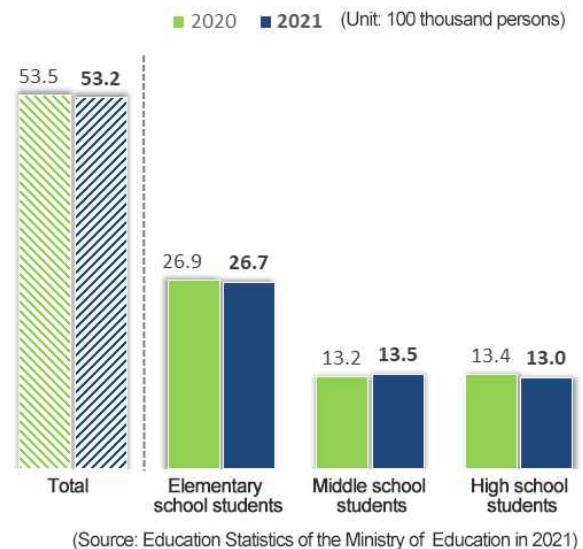
(Unit: 100 million won, %)

Classification	2019	2020	2021	Percent change
Total	209,970	193,532	234,158	21.0
Elementary school	95,597	76,107	105,279	38.3
Middle school	52,554	53,943	63,480	17.7
High school	61,819	63,482	65,399	3.0

<Figure 1> 【 Total private education expenditures by year 】



<Figure 2> 【 Total number of students by year 】



2. Private education participation rate and weekly participation hours

The private education participation rate of elementary, middle and high school students stood at 75.5% in 2021, up 8.4%p from 2020. The weekly participation hours recorded 6.7 hours per student in 2021, which grew by 1.5 hours from 2020.

- The participation rate of elementary school students recorded the highest figure at 82.0%, which was followed by middle school students (73.1%) and high school students (64.6%).
- Compared to 2020, the participation rate of elementary, middle and high school students went up by 12.3%p, 5.9%p and 3.0%p, respectively.

- The weekly participation hours of middle school students recorded the highest figure of 7.0 hours, which was followed by elementary school students (6.8 hours) and high school students (6.3 hours).

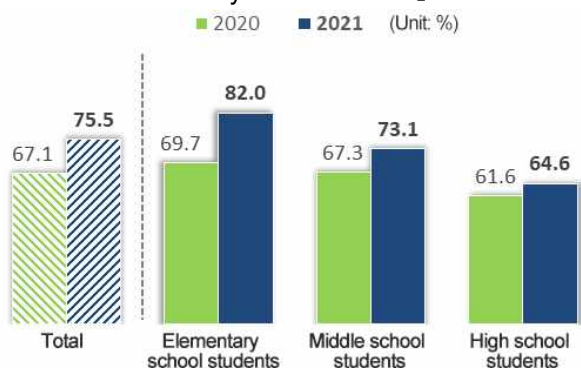
- Compared to 2020, the weekly participation hours of elementary, middle and high school students went up by 2.2 hours, 1.0 hour and 0.4 hour, respectively.

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

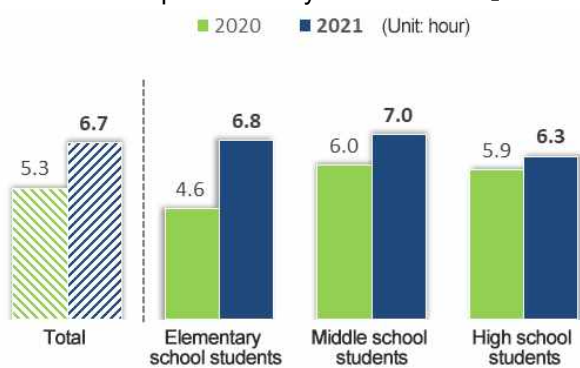
Classification		Private education participation rate (% , %p)				Weekly participation hours (hour)			
		Total	Elementary school	Middle school	High school	Total	Elementary school	Middle school	High school
2019		74.8	83.5	71.4	61.0	6.5	6.8	6.8	5.7
2020		67.1	69.7	67.3	61.6	5.3	4.6	6.0	5.9
2021		75.5	82.0	73.1	64.6	6.7	6.8	7.0	6.3
Change from the previous year		8.4	12.3	5.9	3.0	1.5	2.2	1.0	0.4

※ 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, 3rd grade students in elementary school recorded the highest figure of 85.8%. 1st grade students in middle school recorded the highest figure of 74.1%. 1st grade students in high school recorded the highest figure of 68.0%.

- Compared to 2020, 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					
		1st grade	2nd grade	3rd grade	4th grade	5th grade	6th grade
2019		83.5	86.8	86.6	86.2	82.5	82.0
2020		69.7	65.3	71.8	67.3	73.4	69.1
2021		82.0	83.3	83.1	85.8	81.7	81.4
Change from the previous year		12.3	18.0	11.3	18.5	8.3	12.3

Classification		Middle school			High school		
		1st grade	2nd grade	3rd grade	1st grade	2nd grade	3rd grade
2019		71.4	72.9	70.6	61.0	64.5	62.3
2020		67.3	68.0	68.1	61.6	64.3	63.3
2021		73.1	74.1	73.7	64.6	68.0	66.2
Change from the previous year		5.9	6.1	5.6	3.0	3.7	2.9

3. Average monthly private education expenditures per student

The average monthly private education expenditures per student recorded 367 thousand won in 2021, rising by 21.5% from 2020. The average monthly private education expenditures per participation student recorded 485 thousand won in 2021, rising by 8.0% from 2020.

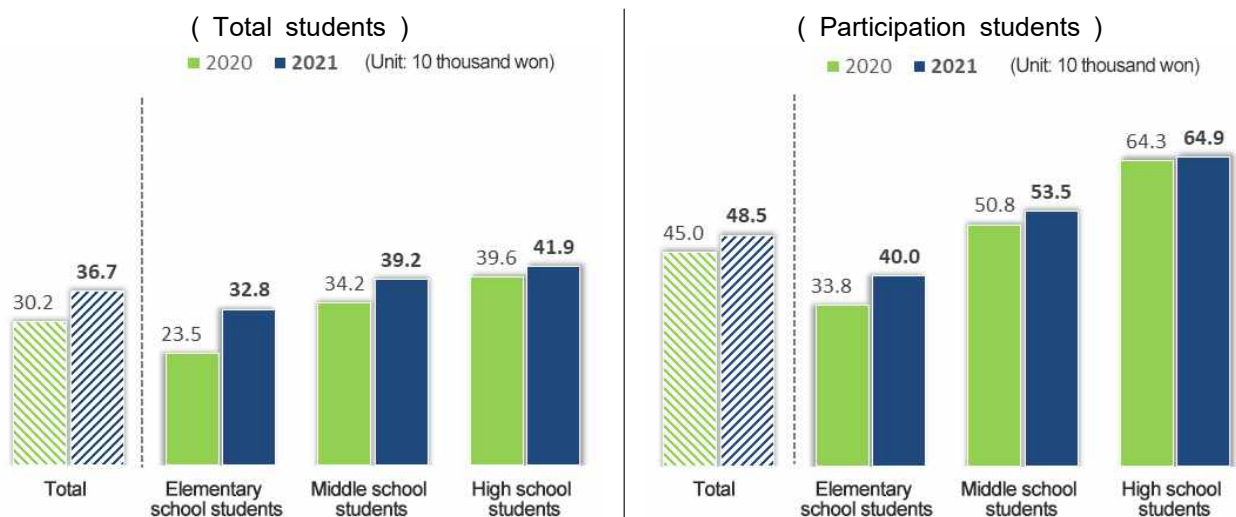
- The average monthly expenditures recorded 419 thousand won per high school student, 392 thousand won per middle school student and 328 thousand won per elementary school student. Compared to 2020, the average monthly expenditures of elementary, middle and high school students went up by 39.4%, 14.6% and 6.0%, respectively.
- The average monthly expenditures recorded 649 thousand won per high school participation student, 535 thousand won per middle school participation student and 400 thousand won per elementary school participation student. Compared to 2020, the average monthly expenditures of elementary, middle and high school students went up by 18.5%, 5.5% and 1.0%, 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
2019	32.1	29.0	33.8	36.5	42.9	34.7	47.4	59.9
2020	30.2	23.5	34.2	39.6	45.0	33.8	50.8	64.3
2021	36.7	32.8	39.2	41.9	48.5	40.0	53.5	64.9
Percent change	21.5	39.4	14.6	6.0	8.0	18.5	5.5	1.0

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



As for the average monthly private education expenditures by grade, 1st grade students in high school marked the highest figure of 445 thousand won per student. 1st grade students in high school marked the highest figure of 655 thousand won per participation student.

- As for the average monthly private education expenditures of the total students by grade, 5th grade students in elementary school recorded the highest figure of 357 thousand won. 3rd grade students in middle school recorded the highest figure of 409 thousand won. 1st grade students in high school recorded the highest figure of 445 thousand won.
- Compared to 2020, 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 of the participation students by grade, 6th grade students in elementary school recorded the highest figure of 445 thousand won. 3rd grade students in middle school recorded the highest figure of 572 thousand won. 1st grade students in high school recorded the highest figure of 655 thousand won.
- Compared to 2020, all grade participation students in elementary and middle school recorded an increase in the average monthly private education expenditures. As for high school, 1st and 2nd grade participation students recorded an increase, while 3rd grade participation students recorded a decrease.

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

(Unit: 10 thousand won, %)

Classification		Elementary school	1st grade	2nd grade	3rd grade	4th grade	5th grade	6th grade
2019		29.0	25.0	28.5	31.1	29.0	30.2	30.3
2020		23.5	17.9	20.6	21.3	25.9	26.8	28.7
		32.8	27.0	29.6	35.4	34.4	35.7	34.2
2021	Change from the previous year	39.4	51.4	43.3	66.5	32.7	33.3	19.0

Classification		Middle school	1st grade	2nd grade	3rd grade	High school	1st grade	2nd grade	3rd grade
2019		33.8	33.1	33.1	35.2	36.5	37.6	36.5	35.5
2020		34.2	32.0	35.5	35.3	39.6	40.5	41.2	36.9
		39.2	37.3	39.3	40.9	41.9	44.5	43.1	38.3
2021	Change from the previous year	14.6	16.6	10.9	15.9	6.0	10.0	4.7	3.8

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

(Unit: 10 thousand won, %)

Classification		Elementary school	1st grade	2nd grade	3rd grade	4th grade	5th grade	6th grade
2019		34.7	28.9	32.9	36.0	35.2	36.9	39.4
2020		33.8	27.3	28.7	31.6	35.3	38.8	40.4
		40.0	32.4	35.6	41.3	42.1	43.9	44.5
2021	Change from the previous year	18.5	18.7	23.9	30.6	19.3	13.1	10.1

Classification		Middle school	1st grade	2nd grade	3rd grade	High school	1st grade	2nd grade	3rd grade
2019		47.4	45.4	46.9	49.8	59.9	58.3	58.6	62.9
2020		50.8	47.0	52.1	53.8	64.3	63.0	65.1	64.8
		53.5	50.3	53.4	57.2	64.9	65.5	65.2	64.1
2021	Change from the previous year	5.5	7.0	2.5	6.4	1.0	4.0	0.1	-1.1

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 3.0%p from 2020.

- As for the average monthly private education expenditures, the share of student groups spending less than 200 thousand won showed a year-on-year decrease. Whereas, the share of student groups spending 200 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.

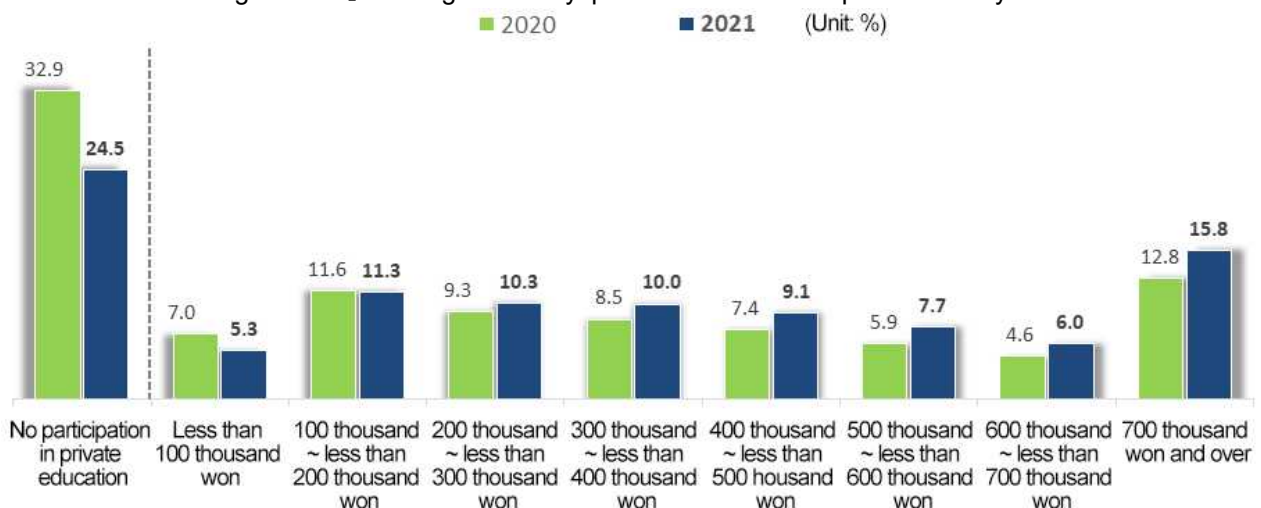
<Table 7> 【 Average monthly private education expenditures by size 】

(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	2019	100.0	25.2	6.8	13.4	11.8
	2020	100.0	32.9	7.0	11.6	9.3
	2021	100.0	24.5	5.3	11.3	10.3
	Change from the previous year	0.0	-8.4	-1.7	-0.3	1.0
Area	Seoul	100.0	18.5	4.0	8.3	7.5
	Metropolitan cities	100.0	24.0	5.4	11.3	10.6
	Cities*	100.0	23.7	5.1	11.2	10.7
	Eup and Myeon	100.0	32.8	6.6	14.5	11.4
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	2019	10.2	8.6	7.2	4.9	12.0
	2020	8.5	7.4	5.9	4.6	12.8
	2021	10.0	9.1	7.7	6.0	15.8
	Change from the previous year	1.6	1.7	1.9	1.4	3.0
Area	Seoul	8.5	7.8	7.9	7.6	29.8
	Metropolitan cities	10.2	9.5	8.2	6.0	14.9
	Cities*	10.3	9.7	8.1	6.3	14.9
	Eup and Myeon	10.6	8.3	5.9	3.4	6.3

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

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



5. Average monthly private education expenditures by subject

The average monthly private education expenditures on general subjects amounted to 281 thousand won per student in 2021, going up by 17.6% from 2020. The average monthly private education expenditures on general subjects amounted to 460 thousand won per participation student in 2021, rising by 1.4% from 2020.

- As for the average monthly private education expenditures on general subjects, English recorded the highest figure of 112 thousand won per student, which was followed by mathematics (105 thousand won), Korean (30 thousand won) and 'Social studies and science' (16 thousand won).
- As for the average monthly private education expenditures on general subjects by grade, 5th grade students in elementary school spent the largest expenditures on English (117 thousand won). 3rd grade students in middle school spent the largest expenditures on mathematics (163 thousand won). 1st grade students in high school spent the largest expenditures on mathematics (171 thousand won).
- As for the average monthly private education expenditures on general subjects, English recorded the highest figure of 225 thousand won per participation student, which was followed by mathematics (207 thousand won), Korean (122 thousand won) and 'Social studies and science' (116 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 (205 thousand won). 3rd grade participation students in middle school spent the largest expenditures on mathematics (270 thousand won). 3rd grade participation students in high school spent the largest expenditures on mathematics (338 thousand won).

<Table 8> 【 Average monthly private education expenditures per student by subject and grade 】

(Unit: 10 thousand won, %)

Unit: 10 thousand won, %

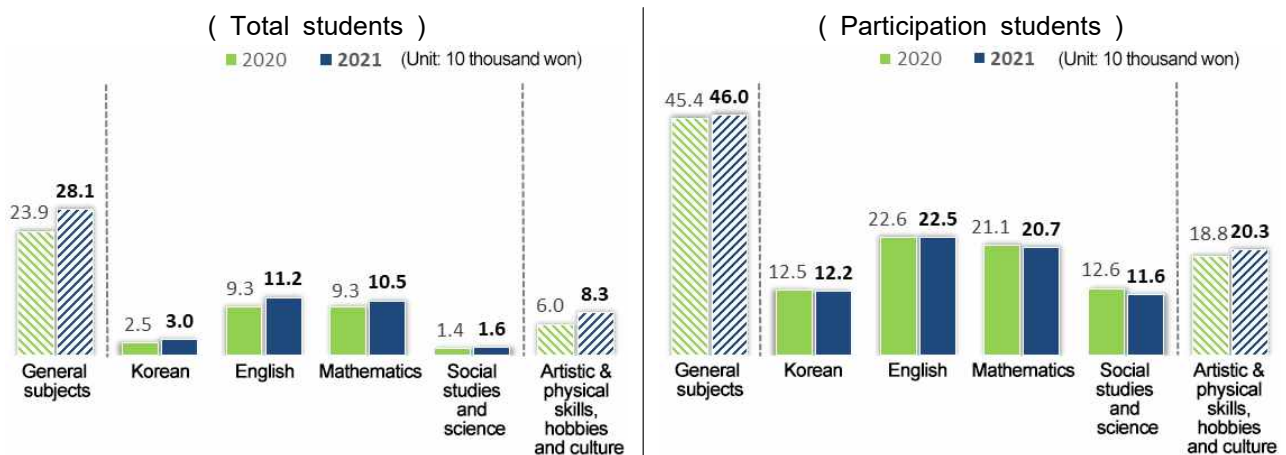
Classification	Total students						Artistic & physical skills, hobbies and culture
	Total	General subjects	Korean	English	Mathematics	Social studies and science	
2019	32.1	23.5	2.3	9.4	9.0	1.3	8.3
2020	30.2	23.9	2.5	9.3	9.3	1.4	6.0
2021	36.7	28.1	3.0	11.2	10.5	1.6	8.3
Percent change	21.5	17.6	20.9	19.7	12.8	19.7	38.0
Elementary school	32.8	20.9	2.0	9.6	6.2	0.9	11.9
1st grade	27.0	12.5	2.4	5.4	3.3	0.2	14.5
2nd grade	29.6	14.9	2.2	6.9	3.9	0.2	14.6
3rd grade	35.4	21.0	1.9	10.7	5.1	1.0	14.4
4th grade	34.4	23.3	2.0	10.9	6.8	1.2	11.0
5th grade	35.7	26.1	1.9	11.7	8.5	1.4	9.6
6th grade	34.2	26.9	1.7	11.6	9.5	1.4	7.2
Middle school	39.2	35.0	2.5	13.9	14.9	2.1	4.1
1st grade	37.3	32.5	1.8	13.8	13.4	1.3	4.8
2nd grade	39.3	35.4	2.6	14.1	14.9	2.3	3.8
3rd grade	40.9	37.2	3.1	13.9	16.3	2.6	3.6
High school	41.9	35.7	5.7	11.5	14.9	2.7	5.4
1st grade	44.5	40.6	5.7	14.5	17.1	2.7	3.4
2nd grade	43.1	36.8	5.6	12.0	15.8	2.7	5.6
3rd grade	38.3	30.1	5.6	8.3	12.1	2.7	7.0

<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
2019	42.9	41.5	10.8	21.3	19.1	10.8	18.9
2020	45.0	45.4	12.5	22.6	21.1	12.6	18.8
2021	48.5	46.0	12.2	22.5	20.7	11.6	20.3
Percent change	8.0	1.4	-1.8	-0.3	-1.7	-7.9	7.5
Elementary school	40.0	33.7	7.1	19.4	12.8	6.8	19.0
1st grade	32.4	23.9	6.8	18.1	8.3	5.0	19.6
2nd grade	35.6	26.7	6.9	17.8	9.4	5.8	20.2
3rd grade	41.3	32.3	6.5	19.4	11.0	5.8	20.3
4th grade	42.1	35.7	7.2	19.3	13.2	6.6	18.0
5th grade	43.9	38.7	7.4	20.0	15.1	7.3	17.9
6th grade	44.5	41.4	8.0	20.5	17.2	8.0	16.4
Middle school	53.5	53.4	13.7	24.0	24.6	12.7	17.2
1st grade	50.3	49.4	11.2	23.7	22.7	10.0	16.3
2nd grade	53.4	53.2	13.5	23.7	24.3	12.4	16.6
3rd grade	57.2	57.7	16.1	24.9	27.0	15.1	19.3
High school	64.9	65.5	23.6	28.2	32.8	20.4	37.0
1st grade	65.5	66.9	23.0	28.6	31.7	20.1	24.5
2nd grade	65.2	65.6	23.8	28.5	33.2	21.8	35.9
3rd grade	64.1	63.5	24.1	27.0	33.8	19.5	49.5

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



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 195 thousand won per student, which was followed by 'One-on-one tutoring' (38 thousand won), 'Group tutoring' (24 thousand won) and 'Internet & correspondence lectures, etc.' (13 thousand won).
- As for general subjects, the average monthly expenditures on 'Taking lessons at private academic institutes' recorded the highest figure of 438 thousand won per participation student, which was followed by 'One-on-one tutoring' (374 thousand won), 'Group tutoring' (262 thousand won) and 'Internet & correspondence lectures, etc.' (126 thousand won).

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

(Unit: 10 thousand won, %)

Classification	2019	2020	2021	Percent change	Elementary school	Middle school	High school
Total	32.1	30.2	36.7	21.5	32.8	39.2	41.9
- General subjects	23.5	23.9	28.1	17.6	20.9	35.0	35.7
One-on-one tutoring	3.0	3.3	3.8	15.0	1.9	4.6	6.8
Group tutoring	2.2	2.2	2.4	5.2	1.8	3.4	2.4
Taking lessons at private academic institutes	16.3	16.4	19.5	18.6	13.7	25.4	25.3
Textbooks with tutor's visit	1.2	1.1	1.2	2.6	2.0	0.5	0.0
Internet & correspondence lectures, etc.	0.7	0.8	1.3	65.2	1.5	1.1	1.1
- Artistic & physical skills, hobbies and culture	8.3	6.0	8.3	38.0	11.9	4.1	5.4
One-on-one tutoring	1.2	1.1	1.2	5.6	1.2	0.9	1.3
Group tutoring	0.6	0.5	0.5	2.5	0.7	0.4	0.2
Taking lessons at private academic institutes	6.1	4.2	6.4	51.4	9.6	2.6	3.8
Tutor's visit, etc.	0.4	0.2	0.2	17.7	0.4	0.2	0.1

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

(Unit: 10 thousand won, %)

Classification	2019	2020	2021	Percent change	Elementary school	Middle school	High school
Total	42.9	45.0	48.5	8.0	40.0	53.5	64.9
- General subjects	41.5	45.4	46.0	1.4	33.7	53.4	65.5
One-on-one tutoring	34.2	37.8	37.4	-1.0	25.4	38.7	50.3
Group tutoring	23.5	27.1	26.2	-3.1	18.7	31.6	41.4
Taking lessons at private academic institutes	39.7	43.4	43.8	0.8	33.1	48.1	59.2
Textbooks with tutor's visit	9.4	10.7	9.9	-8.1	10.0	8.9	9.2
Internet & correspondence lectures, etc.	9.9	12.3	12.6	2.2	12.6	13.3	11.8
- Artistic & physical skills, hobbies and culture	18.9	18.8	20.3	7.5	19.0	17.2	37.0
One-on-one tutoring	21.6	24.0	23.5	-2.1	18.9	22.9	46.8
Group tutoring	12.7	15.8	14.3	-9.1	13.2	14.9	25.1
Taking lessons at private academic institutes	17.5	16.9	18.9	11.6	17.8	15.7	36.3
Tutor's visit, etc.	6.5	8.7	7.9	-9.4	7.7	7.7	9.3

7. Private education by purpose

As for the private education of general subjects by purpose, 'Makeup for classes' and 'Study in advance' showed a year-on-year increase. As for the private education of artistic and physical skills, 'Hobbies, culture and development of talent' and 'To make friends' showed a year-on-year increase.

- As for the private education of general subjects by purpose, the share of 'Makeup for classes' and 'Study in advance' went up by 0.5%p and 0.1%p, respectively. The share of 'Preparation for higher school level' and 'Child care, anxiety, making friends, etc.' went down by 0.4%p and 0.2%p, respectively.

- 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, making friends, etc.
Total	2019	15.8	22.9	48.5	12.8
	2020	14.5	23.7	50.0	11.8
	2021	14.2	23.8	50.5	11.5
	Change from the previous year	-0.4	0.1	0.5	-0.2
School level	Elementary school	5.7	25.3	51.2	17.8
	Middle school	15.7	26.8	51.5	5.9
	High school	32.1	16.6	47.5	3.8

* It is a multiple response item. All the responses are converted to the total of 100.

- As for the private education of 'Artistic & physical skills, hobbies and culture' by purpose, compared to 2020, the share of 'Hobbies, culture and development of talent' and 'To make friends' went up by 2.5%p and 0.9%p, respectively. Whereas, 'Child care, etc.' and 'Preparation for higher school level' went down by 2.2%p and 1.1%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	2019	8.9	8.2	58.6	8.7	15.6
	2020	10.0	7.0	59.3	7.8	16.0
	2021	8.9	6.9	61.9	8.7	13.7
	Change from the previous year	-1.1	-0.1	2.5	0.9	-2.2
School level	Elementary school	3.2	7.0	63.0	9.7	17.1
	Middle school	16.1	5.3	69.7	7.4	1.5
	High school	50.7	7.9	38.5	1.9	1.0

* It is a multiple response item. All the responses are converted to the total of 100.

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 of households earning 8 million won and over marked 593 thousand won. The average monthly expenditures of households earning less than 2 million won marked 116 thousand won. Compared to 2020, all household income groups showed an increase in private education expenditures.

- The participation rate of households earning '3 million won ~ less than 4 million won' stood at 70.0%, which showed the largest year-on-year increase of 9.1%p. The participation rate of households earning '4 million won ~ less than 5 million won' stood at 77.2%, which showed the second largest year-on-year increase of 8.7%p.

<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)			
	2019	2020	2021	Percent change	2019	2020	2021	Change from the previous year
Total	32.1	30.2	36.7	21.5	74.8	67.1	75.5	8.4
Less than 2 million won	10.4	10.3	11.6	12.8	47.0	40.4	46.6	6.3
2 million ~ less than 3 million won	17.0	15.8	18.0	14.1	60.4	51.1	57.6	6.5
3 million ~ less than 4 million won	23.4	20.4	25.3	24.1	70.7	60.9	70.0	9.1
4 million ~ less than 5 million won	30.0	26.9	33.2	23.6	78.0	68.4	77.2	8.7
5 million ~ less than 6 million won	35.4	32.5	38.1	17.1	79.8	72.5	80.3	7.9
6 million ~ less than 7 million won	40.4	37.2	44.4	19.2	83.6	75.2	83.5	8.3
7 million ~ less than 8 million won	46.4	44.1	48.6	10.3	87.0	80.2	84.9	4.7
8 million won and over	53.9	52.6	59.3	12.8	85.1	80.8	86.0	5.2

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 expenditures of 'Dual income households' recorded 388 thousand won per student, going up by 18.6% from 2020.
- The average monthly expenditures of 'Single income households by fathers' and 'Single income households by mothers' recorded 365 thousand won and 235 thousand won, respectively.

<Table 15> 【 Average monthly private education expenditures per student and participation rate by parents' economic activity 】

Classification	Private education expenditures (10 thousand won, %)				Participation rate (%, %p)			
	2019	2020	2021	Percent change	2019	2020	2021	Change from the previous year
Total	32.1	30.2	36.7	21.5	74.8	67.1	75.5	8.4
- Single income households	30.6	27.7	34.6	24.9	73.7	64.3	73.1	8.8
Father	32.6	29.1	36.5	25.5	76.2	66.2	75.5	9.4
Mother	20.3	19.7	23.5	19.2	60.4	53.5	58.9	5.4
- Dual income households	33.9	32.7	38.8	18.6	77.0	70.4	78.2	7.9
- Economically inactive households	11.9	10.8	14.8	36.8	37.4	33.0	45.1	12.1

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

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

- The average monthly expenditures of households with 1 child showed the highest figure of 412 thousand won per student, which was followed by those with 2 children (387 thousand won per student) and those with 3 children or more (282 thousand won per student).
- The participation rate of households with 1 child showed the highest figure of 79.4%, which was followed by those with 2 children (77.3%) and those with 3 children or more (68.1%).

<Table 16> 【 Average monthly private education expenditures per student by the number of children 】

Classification	Private education expenditures (10 thousand won, %)				Participation rate (%, %p)			
	2019	2020	2021	Percent change	2019	2020	2021	Change from the previous year
Total	32.1	30.2	36.7	21.5	74.8	67.1	75.5	8.4
1 child	36.1	33.4	41.2	23.5	77.2	69.1	79.4	10.3
2 children	34.1	32.1	38.7	20.6	77.1	69.5	77.3	7.9
3 children or more	24.5	23.0	28.2	22.3	67.3	59.5	68.1	8.6

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 expenditures of students recording 'Within top 10%' of school performance amounted to 533 thousand won, rising by 6.4% from 2020. On the other hand, the average monthly expenditures of students recording 'Within bottom 20%' of school performance amounted to 290 thousand won, rising by 5.9% from 2020.
- The participation rate of students recording 'Within top 10%' of school performance stood at 74.6%, up 1.4%p from 2020. In the meantime, the participation rate of students recording 'Within bottom 20%' of school performance stood at 51.7%, up 1.9%p from 2020.

<Table 17> 【 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)			
	2019	2020	2021	Percent change	2019	2020	2021	Change from the previous year
Total	36.5	39.6	41.9	6.0	61.0	61.6	64.6	3.0
Within top 10%	47.5	50.0	53.3	6.4	72.3	73.1	74.6	1.4
11 ~ 30%	43.0	47.4	49.4	4.2	67.8	68.9	72.0	3.1
31 ~ 60%	38.5	41.9	44.3	5.7	62.8	63.1	67.4	4.2
61 ~ 80%	32.6	34.5	37.4	8.5	57.2	57.2	60.1	2.9
81 ~ 100%	24.8	27.4	29.0	5.9	48.9	49.8	51.7	1.9

* From 2018, data by school performance cover 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 expenditures per student by area, Seoul marked the highest figure, which was followed by cities, metropolitan cities and 'Eup & Myeon'.
 - Compared to 2020, all 4 areas of 'Eup & Myeon' (28.4%), cities (22.4%), metropolitan cities (22.4%) and Seoul (16.6%) recorded a rise in private education expenditures per student.
- As for the average monthly expenditures per participation student by area, Seoul marked the highest figure, which was followed by metropolitan cities, cities and 'Eup & Myeon'.
 - Compared to 2020, all 4 areas of 'Eup & Myeon' (10.8%), cities (8.9%), metropolitan cities (7.6%) and Seoul (7.2%) recorded a rise in private education expenditures per participation student.

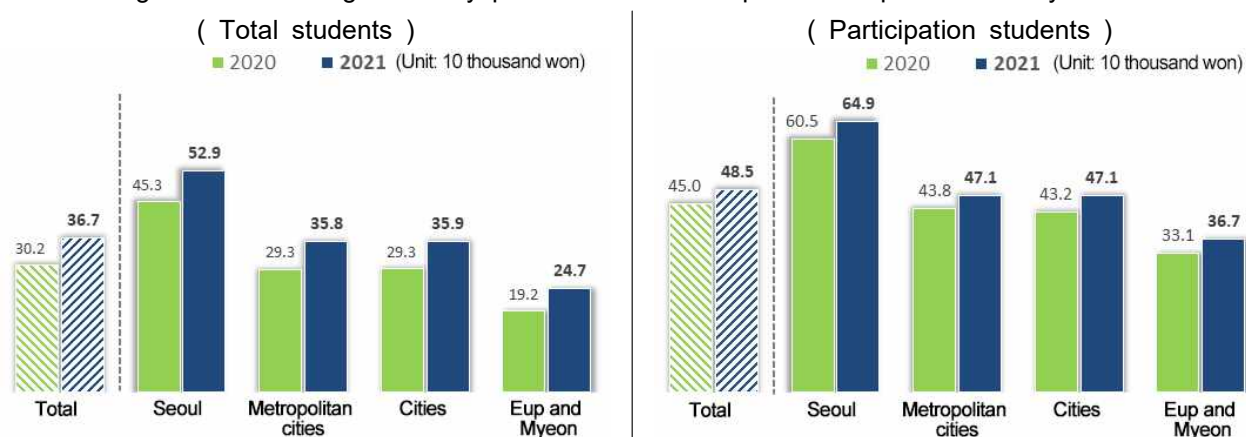
<Table 18> 【 Average monthly private education expenditures per student by area 】

(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
2019	32.1	45.1	31.0	32.1	20.3	42.9	56.3	41.4	42.1	31.4
2020	30.2	45.3	29.3	29.3	19.2	45.0	60.5	43.8	43.2	33.1
2021	36.7	52.9	35.8	35.9	24.7	48.5	64.9	47.1	47.1	36.7
Percent change	21.5	16.6	22.4	22.4	28.4	8.0	7.2	7.6	8.9	10.8
Elementary school	32.8	47.3	32.0	32.0	23.5	40.0	54.0	38.9	38.7	31.3
Middle school	39.2	52.6	39.6	38.7	26.8	53.5	67.1	52.8	52.8	41.4
High school	41.9	63.4	39.7	40.9	25.0	64.9	86.4	61.6	62.2	48.5

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

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



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

- As for the private education participation rate by metropolitan city and province, Seoul, Sejong, Daegu, Gyeonggi, Busan and Daejeon recorded a higher figure compared to the nation
- As for the private education expenditures of participation students by metropolitan city and province, Seoul, Gyeonggi and Daegu 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 864 thousand won, which was followed by Gyeonggi (683 thousand won).
 - As for the private education expenditures of middle school participation students by metropolitan city and province, Seoul recorded the highest figure of 671 thousand won, which was followed by Gyeonggi (566 thousand won), Busan (550 thousand won) and Daegu (548 thousand won).
 - As for the private education expenditures of elementary school participation students by metropolitan city and province, Seoul recorded the highest figure of 540 thousand won, which was followed by Daegu (429 thousand won), Gyeonggi (414 thousand won) and Daejeon (410 thousand won).

<Table 19> 【 Average monthly private education expenditures per student and participation rate by metropolitan city and province 】

Classification	Participation rate (%)	Private education expenditures (10 thousand won)				
		Total students	Participation students	Elementary school	Middle school	High school
Total	75.5	36.7	48.5	40.0	53.5	64.9
Seoul	81.5	52.9	64.9	54.0	67.1	86.4
Busan	77.4	36.9	47.7	39.1	55.0	62.1
Daegu	79.1	40.0	50.5	42.9	54.8	64.9
Incheon	73.9	34.4	46.5	37.8	52.8	61.5
Gwangju	73.6	32.0	43.5	34.8	50.0	57.3
Daejeon	75.6	36.4	48.1	41.0	49.6	63.4
Ulsan	73.7	30.0	40.7	33.6	46.0	54.2
Sejong	81.1	36.9	45.6	38.8	52.0	59.4
Gyeonggi	77.6	39.3	50.6	41.4	56.6	68.3
Gangwon	69.7	26.6	38.2	31.5	43.3	49.8
Chungbuk	69.5	28.4	40.9	36.3	43.4	50.8
Chungnam	67.2	26.0	38.7	31.5	44.6	52.0
Jeonbuk	69.8	27.4	39.2	31.5	44.0	51.7
Jeonnam	66.5	23.3	35.1	29.4	40.1	45.6
Gyeongbuk	71.8	27.9	38.8	33.2	43.0	49.5
Gyeongnam	72.7	27.6	38.0	31.1	44.2	50.1
Jeju	72.7	29.6	40.7	33.7	48.2	52.4

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

1. Education expenditures and participation rate by year

The after-school program participation rate recorded 28.9%. The language course participation rate recorded 0.1%.

- The expenditures on after-school programs amounted to 440 billion won, which dropped by 52.1% from 2019. The paid and free after-school program participation rate stood at 28.9%, down 19.6%p from 2019.

<Table 20> 【 Expenditures and participation rate of after-school programs 】

Classification	Total education expenditures (100 million won, %)				Participation rate (%, %p)*			
	2019	2020	2021	Percent change**	2019	2020	2021	Change**
After-school programs (paid and free)*	9,250	309	4,434	-52.1	48.4	9.5	28.9	-19.6

* After-school programs: 2019, 2021 (Annual: Jan. ~ Dec.), 2020 (6 months: March ~ May, July ~ Sep.)

** Percent change and change compared to 2019, based on annualized data

- The expenditures on language courses amounted to 10 billion won, which declined by 91.7% from 2020. The language course participation rate recorded 0.1%, down 0.4%p from 2020.

<Table 21> 【 Expenditures and participation rate of language courses 】

Classification	Total education expenditures (100 million won, %)				Participation rate (%, %p)*			
	2019	2020	2021	Percent change	2019	2020	2021	Change from the previous year
Language courses*	4,451	1,485	123	-91.7	0.6	0.4	0.1	-0.4

* Language courses: 2019 (Annual: Jan. ~ Dec.), 2020 ~ 2021 (8 months: Jan. ~ May, July ~ Sep.)

2. After-school program participation rate

**The paid and free after-school program participation rate stood at 28.9% in 2021.
The paid after-school program participation rate stood at 19.3% in 2021.**

- The paid and free after-school program participation rate marked 28.9% in 2021, falling by 19.6%p from 2019.
 - Compared to 2019, the paid and free after-school program participation rate of elementary, high and middle school students dropped by 23.4%p, 18.0%p and 12.1%p, respectively.
- The paid after-school program participation rate marked 19.3% in 2021, falling by 17.9%p from 2019.
 - Compared to 2019, the paid after-school program participation rate of elementary, high and middle school students fell by 21.5%p, 19.3%p and 7.7%p, respectively.

<Table 22> 【 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			
	2019	2020	2021	Change from 2019*	2019	2020	2021	Change from 2019*
Total	48.4	9.5	28.9	-19.6	37.2	3.9	19.3	-17.9
Elementary school	58.7	10.9	35.3	-23.4	48.8	3.9	27.3	-21.5
Middle school	27.4	4.2	15.3	-12.1	11.4	0.5	3.7	-7.7
High school	47.7	12.0	29.8	-18.0	38.3	7.4	19.0	-19.3

* Change compared to 2019, based on annualized data

3. Percentage of students purchasing EBS textbooks for autonomous learning

The percentage of students purchasing EBS textbooks for autonomous learning stood at 19.1% in 2021, down 2.8%p from 2020.

- High school students recorded the highest percentage of students purchasing EBS textbooks at 32.6%, which was followed by elementary school students (15.9%) and middle school students (12.2%).
- Compared to 2020, the share of elementary, high and middle school students purchasing EBS textbooks went down by 3.4%p, 3.1%p and 0.8%p, respectively.

<Table 23> 【 Percentage of students purchasing EBS textbooks by school level 】

(Unit: %, %p)

Classification	Total	Elementary school	Middle school	High school
2019	15.4	9.7	9.4	32.0
2020	21.9	19.3	13.0	35.8
2021	19.1	15.9	12.2	32.6
Change from the previous year	-2.8	-3.4	-0.8	-3.1

4. Language course participation rate

The language course participation rate stood at 0.1% in 2021, down 0.4%p from 2020.

- As for language course participation rate by school level, elementary, middle and high school students recorded 0.1%, 0.0% and 0.0%, respectively.
- Compared to 2020, the share of elementary, middle and high school students participating in language courses went down by 0.5%p, 0.4%p and 0.1%p, respectively.

<Table 24> 【 Language course participation rate by school level 】

(Unit: %, %p)

Classification	Total	Elementary school	Middle school	High school
2019	0.6	0.8	0.6	0.3
2020	0.4	0.6	0.4	0.2
2021	0.1	0.1	0.0*	0.0*
Change from the previous year	-0.4	-0.5	-0.4	-0.1

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