

(教科)

- (科) -

2002 8

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| 29. | / / / | 54 |
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| 32. |       | 55 |
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A Study on the Usage of Expressional Materials in Graphic Design Class  
- In Design Course of Commercial High School-

Lee, Mu Young  
Major in Design Education  
Graduate School of Education  
Pukyong National University

## **ABSTRACT**

The purposes of this study are analyzing practical usage and preference ratio about expression materials and tools in design course of commercial high school, of course, pointing out the weak point of the actual design course, and then trying to suggest countermeasures about this results. Teaching experience for various usage on expression materials and tools are absolutely essential in design education. Following results are based on analyzing plain design part of the graphic design textbook, and also basic illustration of formative elements.

To investigate the actual situation in design course of commercial high school and to suggest improving countermeasures, textbooks as the guider of design class were compared between 6th and 7th curriculum, also the practical usage and preference ratio of teachers and students in the course were summarized by questionnaires and interviewes. The results we have obtained are like following below.

1. Evenif the 7th education curriculum is already enforced to commercial high school by education ministry, actually that is not well managed yet. Therefore plain design part of 7th curriculum is analyzed by comparing with 6th curriculum.

2. Expression materials of plain design in graphic design textbook was classified to three kinds as paper material, coloring material and expression tool, and each of them were also discussed to various kinds and

characteristics. Actually expression materials were not well applied in classes.

3. Plain design part of 7th curriculum by comparing with 6th was much more subdivided, and two important part of illustration, let's say, expression method and format were investigated. The important expression methods, so called, were watercolor painting, acrylic painting, blow painting, airbrush painting, relief illustration and computer illustration, and so on. Also expression format was divided to three kinds of illustration.

4. The practical usage and preference ratios for teachers and students were summarised for 3 groups, so called, pictogram/C.I.P design, postage/poster/calendar design and card/edit design using questionnaires like appendix and interviews.

According to investigating result from paper material, coloring material, expression tool, expression method and computer application in class, usages of expression material and method are very limited, most of the students are depended on computer for design working and they are not well favored for handdrawing.

In spite of diversification about expression materials in plain design, the most favorite drawing paper was kent paper, poster color as coloring material. The reason why expression materials were not diversified could be guessed depending on purchasing cost of those materials, so the economic support should be well done by government for public and foundation for private high school.

5. To compensate the shortage of understanding about expression materials, efficient education draft utilizing like various mass-media should be prepared by teachers. Therefore recognition of expression materials through intermediate experiences should be enhanced to students.

The reason for limited applications of expression material and actual resolution of this problem are not investigated clearly, that is the weak point of this study, also should be studied furthermore in the future.

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## 2.

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가 10

50 300

17 , 165

34%, 55% .

### 2-2.

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 , 가 / C.I.P  
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 2002 3 1 3 31

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## 1.

### 1- 1. (科)

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6 가 7

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6 7 (科)

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( 1992- 19 )

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7 ( 1997- 15 )

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가 .1)

가 6  
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1) 37 40 , 19. , 2001, pp.

## 1- 2. (科)

(communication)

가 가 .

(交感)

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가

. 1940

가

. 1970 가  
, , , , C.I.(corporation identity)  
, , , .3)

가

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가

가 , , ,

D.M(direct mail), , , ,

, P.O.P(point of purchase)

.4) 가

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2) • , , , p.9

3) • , , , p.26

가 가 .

1-3. (科)

가  
가 .<sup>5)</sup>  
가

6 .

가  
가 .<sup>6)</sup>

7

가  
가 ,  
가 ,  
가 .<sup>7)</sup>

7

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4) , , , 1990, p.50

5) , , , 1996, p.2

6) 1992- 19 (92.10.30), ( , p.103

7) , 9 , p.165

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2-1.

(科) 6 7

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\* 6

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2-2-2. 7

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|  |   | <p>’</p> <p>가</p> <p>.</p>  |
|  |   | <p>’</p> <p>CD</p> <p>.</p> |

2-2-3. 6 7

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7

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## 2-3.

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.8)

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가

가

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가

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가

.9)

가

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가

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### 2-3-1. (畫紙材料)

(畫紙)

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.10)

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8) , , , 1990, p.328

9) , , , 1996, p.264

## 6.

| (色紙)        | <ul style="list-style-type: none"> <li>가</li> <li>.</li> </ul>                |
|-------------|-------------------------------------------------------------------------------|
|             | <ul style="list-style-type: none"> <li>가</li> <li>.</li> <li>.</li> </ul>     |
|             | <ul style="list-style-type: none"> <li>가</li> <li>.</li> <li>(再現性)</li> </ul> |
| (方眼紙)       | 가                                                                             |
| (hardboard) | <ul style="list-style-type: none"> <li>가</li> <li>(成形) (板)</li> </ul>         |

## 2-3-2. (彩色材料)

## (彩色材料)

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.11)

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10) , p.30

11) . . , 1991 p.6

12)

7 .

, , , , ,

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, , . 13)

8 .

7.

|  | <ul style="list-style-type: none"><li>· ,</li><li>· (粘土),<br/>가 (心) ,</li><li>· 가</li></ul>          |
|--|------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"><li>· 가 가</li><li>· 가 HB, 가 B H,</li><li>· 가</li><li>· 가</li></ul> |

12) , p.14  
13) , p.16

8.

|  | <ul style="list-style-type: none"> <li>•</li> <li>• , 가</li> <li>가 ,</li> <li>•</li> <li>• 3</li> </ul>  |
|--|----------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• (pigment) ( , )</li> <li>•</li> <li>• , ,</li> <li>•</li> </ul> |
|  | <ul style="list-style-type: none"> <li>• , 가 ,</li> <li>•</li> <li>•</li> </ul>                          |
|  | <ul style="list-style-type: none"> <li>• 가</li> <li>•</li> <li>•</li> <li>• ,</li> <li>•</li> </ul>      |
|  | <ul style="list-style-type: none"> <li>• (paraffin),</li> <li>•</li> <li>•</li> </ul>                    |

8.

|  | <ul style="list-style-type: none"> <li>• , ,</li> <li>• .</li> <li>• , 가</li> <li>• .</li> </ul> |
|--|--------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• 가 가</li> <li>가 .</li> </ul>                             |

2-3-3. (表現道具)

‘ , , ‘ , . , .

9

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9.

|  | <ul style="list-style-type: none"> <li>• .</li> <li>• .</li> </ul> |
|--|--------------------------------------------------------------------|

9.

|  | <p>thoner) (brush cleaner), (paint<br/>(photo-flood bulbs),</p> |
|--|-----------------------------------------------------------------|
|  |                                                                 |
|  |                                                                 |
|  |                                                                 |

2-4.

6

2002

7

가

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3

(medium or material),

(technic & style),

(concept)

.

가

,  
 ,  
 .  
 ,  
 .14)  
 .  
 (aclic) , (airbrush) ,  
 (relief illustration)( ) ,  
 .  
 , , ,  
 .15)  
 .

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14) , , 1993, p.130  
 15) • , , p.97

2-4- 1.

(1)

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가

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.

가

,

‘ ’

.16)

1 17)

.



1.

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16) , ,

, 1995, p.25

17) , , , 1996, p.79

(2) (acrylic)

가

가

가 . 가

.18)

가 2 19) .



2.

---

18) , , 1999, p.22

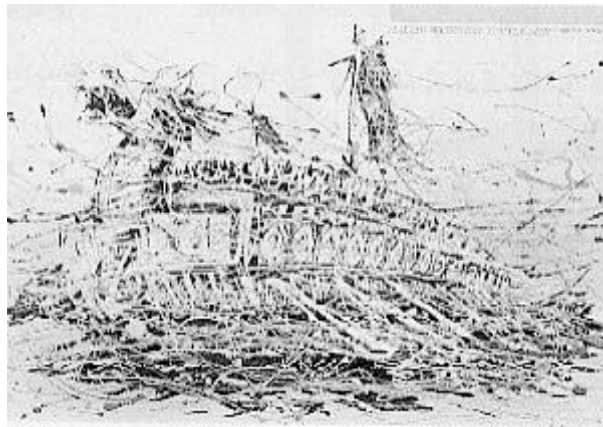
19) , , 1996, p.79

(3)

，  
，  
가  
(texture)  
가  
，  
，

20)

3 21)



3.

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20) ， ，

， 1995, p.23

21) ， ， ， 1996, p.81

(4) (airbrush)

(gradation) 가

가

. 22) 4 23)



4.

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22) , , 1999, p.20  
23) , , 1996, p.76

(5) ( ) (relief illustration)

, ,

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,

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(picture book) . 24) 5 25)

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5.

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24) , p.23

25) , , , 1996, p.79

(6)

( ,

)

(digitizing tablet)

.

,

.26)

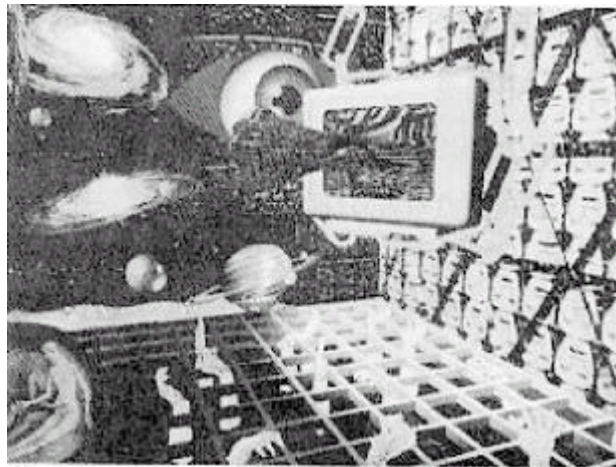
627)

.

, 3D

가

.



6.

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26) , / , ,  
 , 1993, p.208  
27) , , , 1996, p.81

2-4-2.

28)

(1)

가 . 729)



7.

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28) . , , p.97  
29) , , , 1996, p.76

(2)

30)

(informal)

8<sup>31)</sup>



8.

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30) , , 2000, p.41 ,

31) , , , 1996, p.71

(3)

가

.

(4)

20

가

32) .

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가

가

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32)

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(美)

가

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가

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9.



11.



12.

### 3.

#### 3- 1.

2001 61 가  
가 10  
4  
3 1  
40% 17 가  
165 가  
가  
/C.I.P  
/ / , 가 /

(multiple  
response)

가 가  
,  
(confirmatory statistical analysis)

3- 2.

.

3- 2- 1.

17

가 41% 59%

40 45

53% 가 , 40 가

59% 40 가

.

10 10 15 가 41%

10 가 59%

.

10 .

| 1 ~ 5   | 5 | 29.41 |
|---------|---|-------|
| 5 ~ 10  | 2 | 11.76 |
| 10 ~ 15 | 7 | 41.18 |
| 15 ~ 20 | 2 | 11.76 |
| 20 ~ 25 | 1 | 5.88  |

40%

40% .  
18% .

11.

|  | 4 | 23.53 |
|--|---|-------|
|  | 6 | 35.29 |
|  | 1 | 5.88  |
|  | 3 | 17.65 |
|  | 3 | 17.65 |

가 3

,

가

.

가 .

11 .

3-2-2.

165 97%가

3%

.

6  
2 3 . 2  
19% 3 80% .

### 3-3.

3-3-1. / CIP

1.

13 / CIP (畫紙)

76%, 30% 가

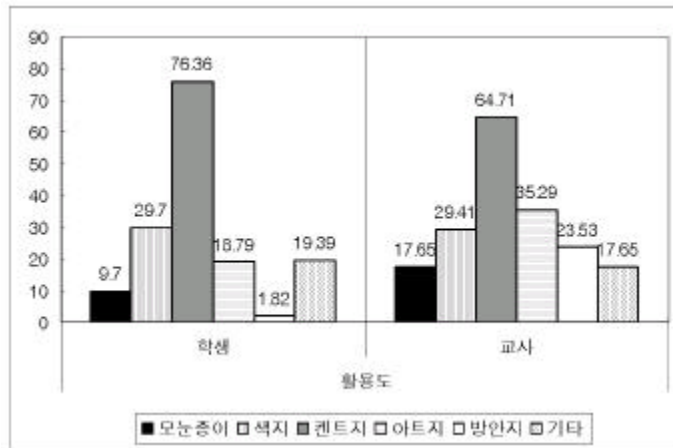
65%, 35% .

14 / CIP (畫紙)

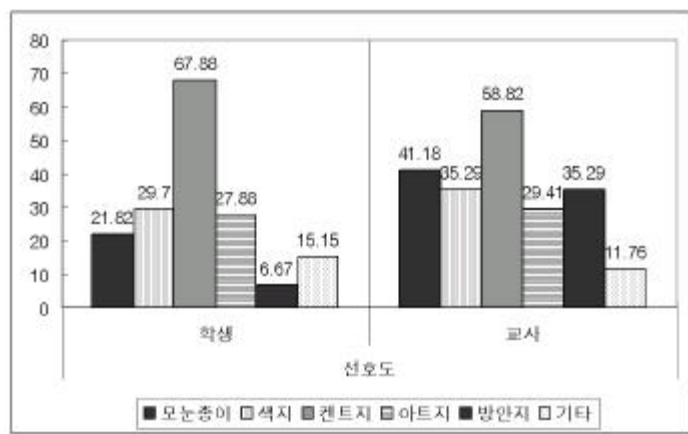
가

68% 가 59% 가

.



13. / CP



14. / CP

2.

15 /CJP

가 .

58%, 53%

가 76%, 41% .

가 ,

16

/CIP

가

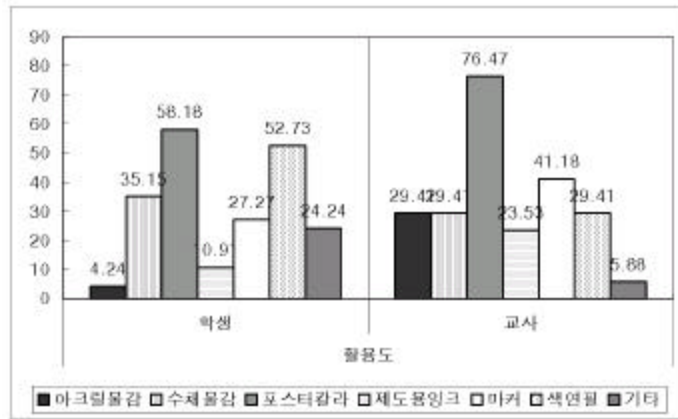
52%,

46%

82%,

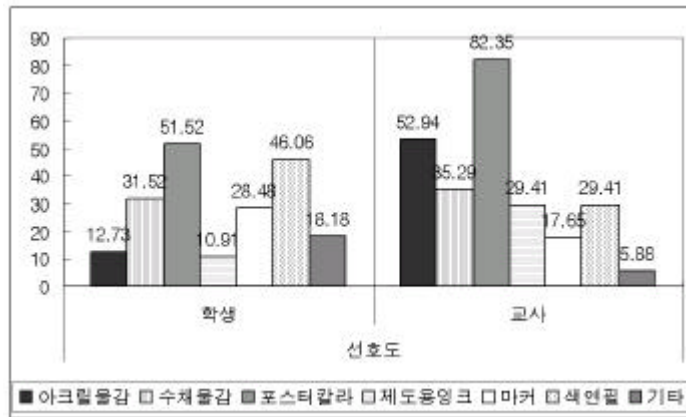
53%

가



15.

/ CIP



16. / CP

3.

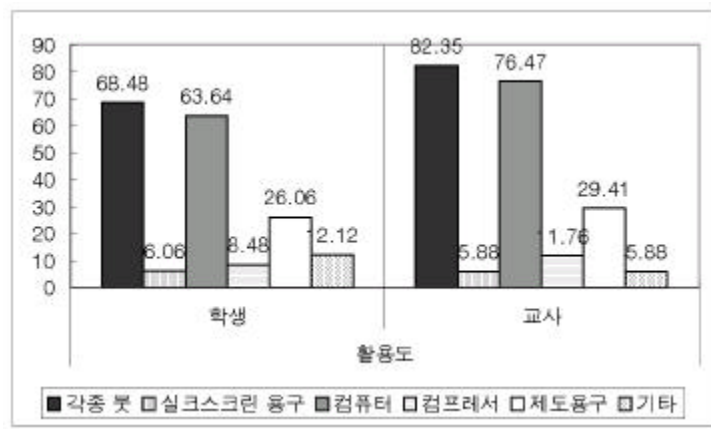
17

가 68%, 64%  
 , 82%, 76% .  
 가 가  
 가

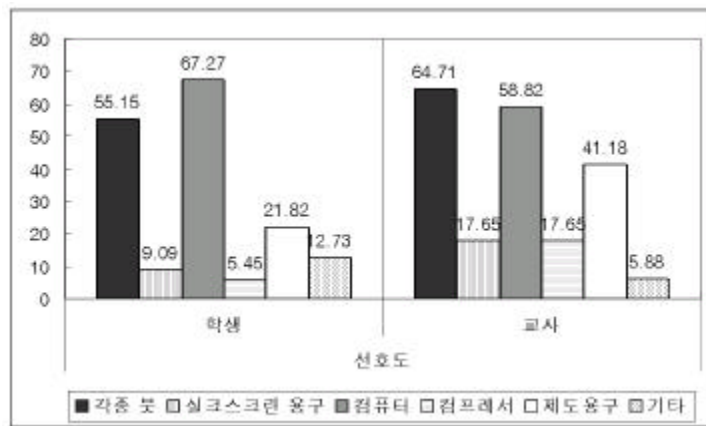
.

18

가 67%, 55% .  
 65%, 59% .  
 가  
 .



17. / CP



18. / CP

4.

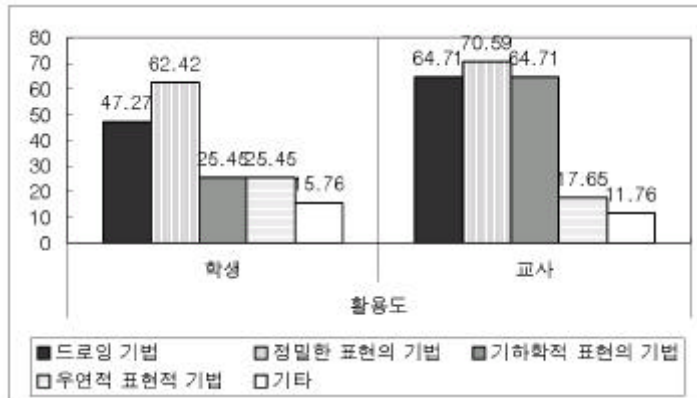
19 /CIP

가

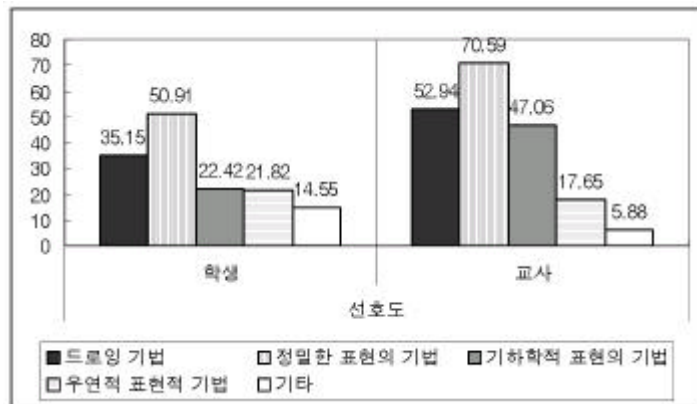
63%, 47% , 가  
71%,  
65% .

20 / CIP

51%,  
35% 71%,  
53% .



19. / CIP



20. / CIP

5.

21 /CIP

91%,

가 9%

94%,

가 6%

가

가

22 /CIP

77%,

16%,

6%

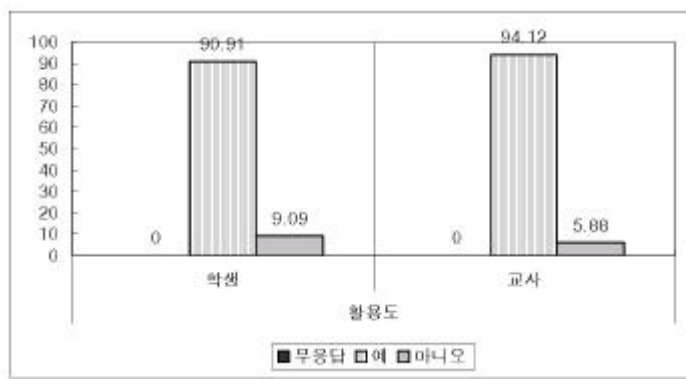
82%,

6%,

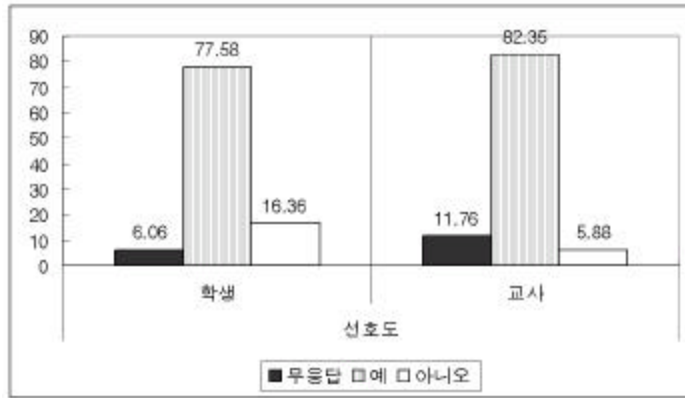
12%

가

가



21. / CIP



22. / CP

3-3-2. / /

1.

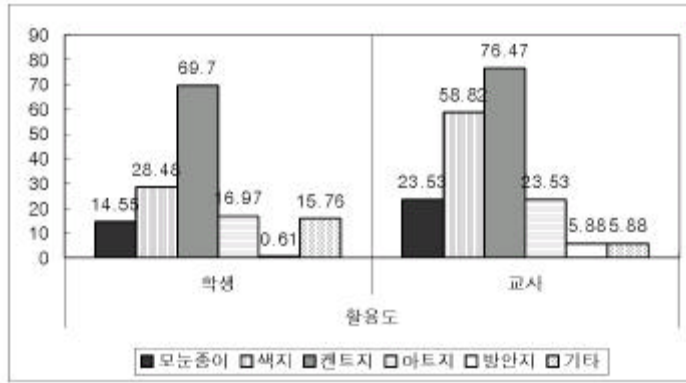
23 / /

.  
70%, 28% , 76%, 59%  
가 .

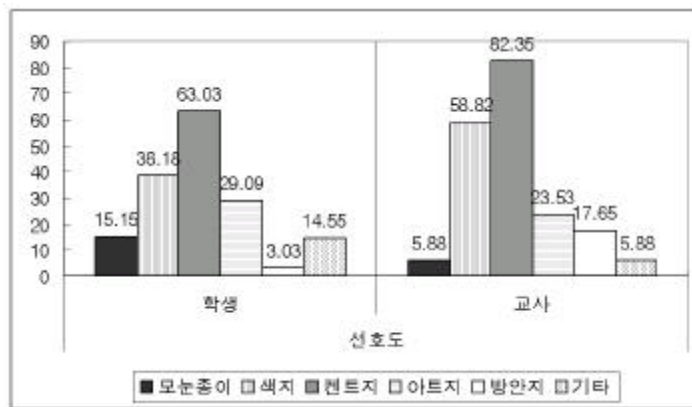
24 / /

. 가  
63% , 가 82%

.



23. / / /



24. / / /

2.

25 / /

가

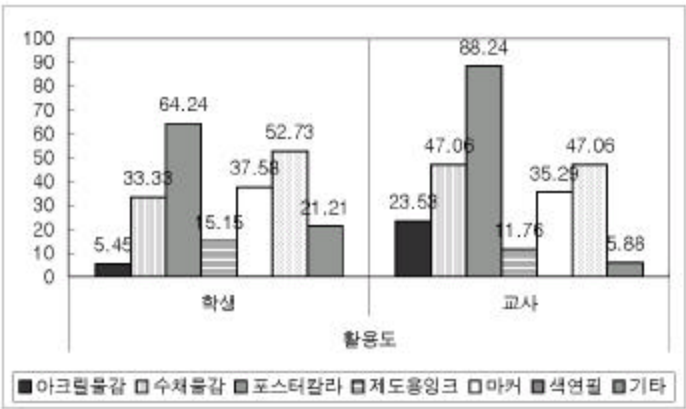
64%, 88%

26 / /

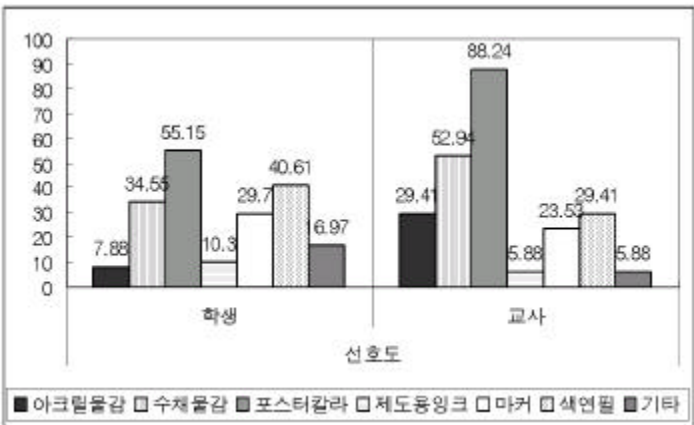
55%,

88%

가



25. / / /



26. / / /

3.

27 / /

66%, 59% 82%,

59%, 41%

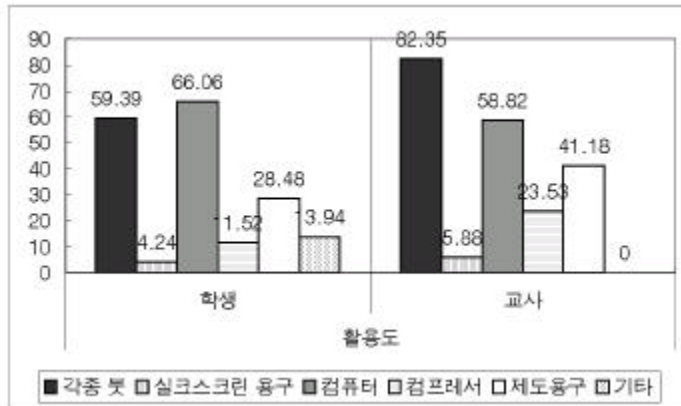
/ /

28 / /

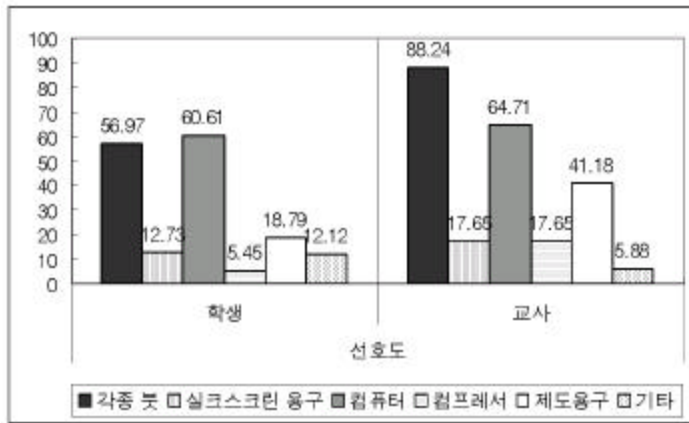
61%, 57%

88%, 65%

가 20%



27. / / /

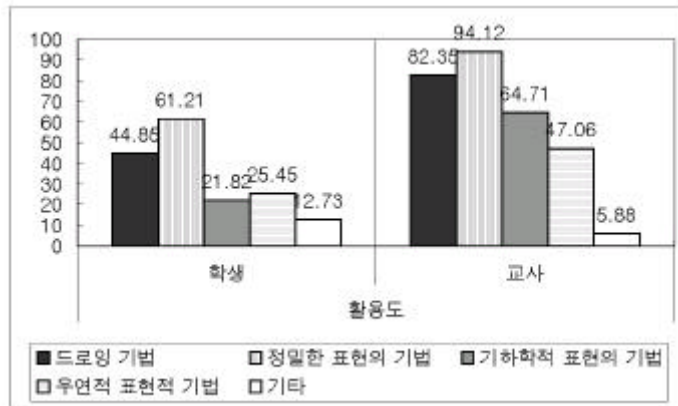


28. / / /

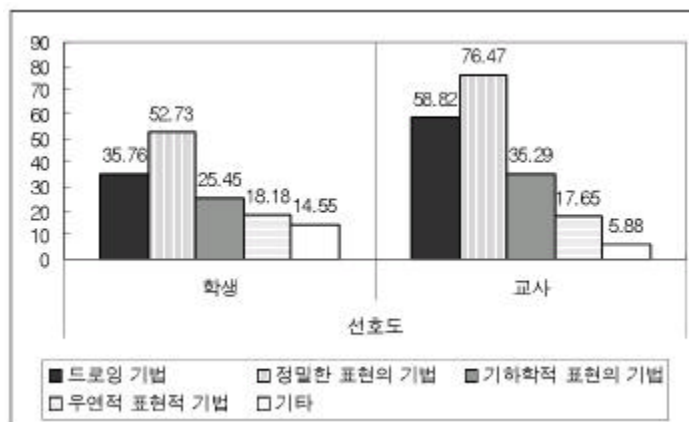
4.

29 / /

62% 45%  
94%, 63%, 65%,  
47% .  
30 / /  
52%, 36% 76%,  
59% .



29. / / /



30. / / /

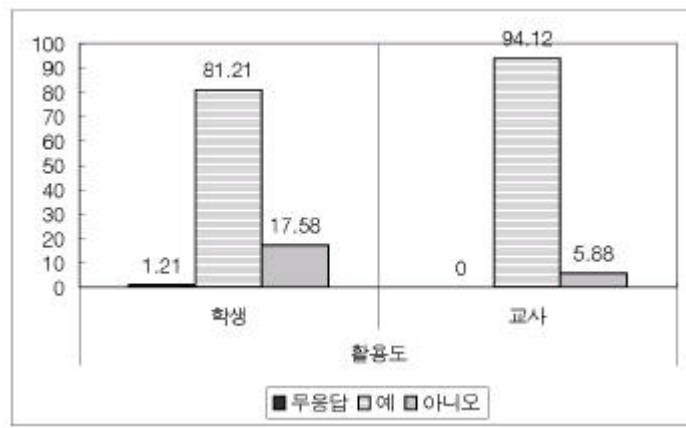
5.

31 / /

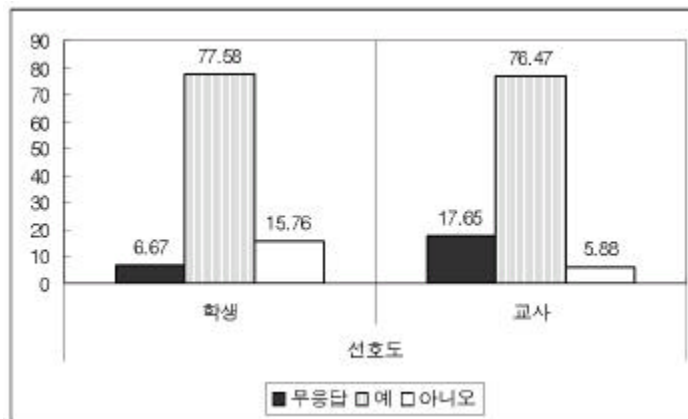
81% , 94% .

32 / /

가 78% , 76%



31. / / /



32. / / /

3-3-3. /

1.

33 /

. 45%, 33%

가 가 71%, 가

59% .

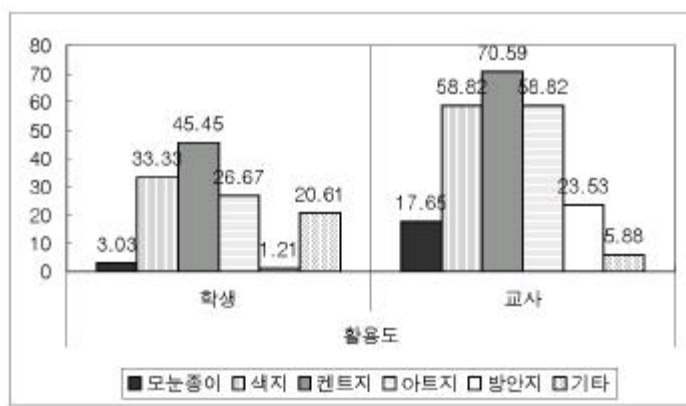
34 /

가 62%

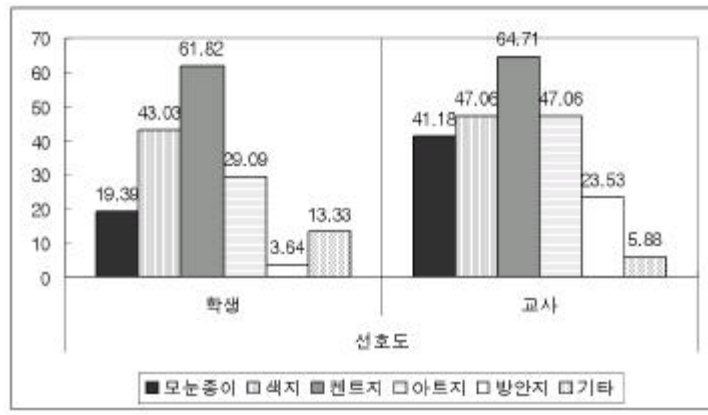
가 65% 가 .

가

.



33. /



34. /

2.

35 /

.

52% .

가

94% 가 ,

52% .

36 /

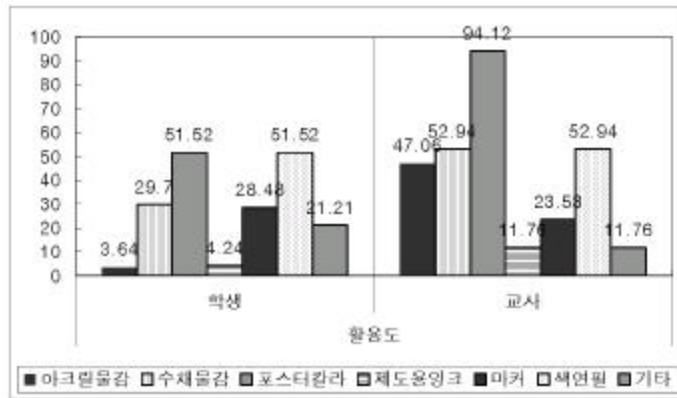
.

49%,

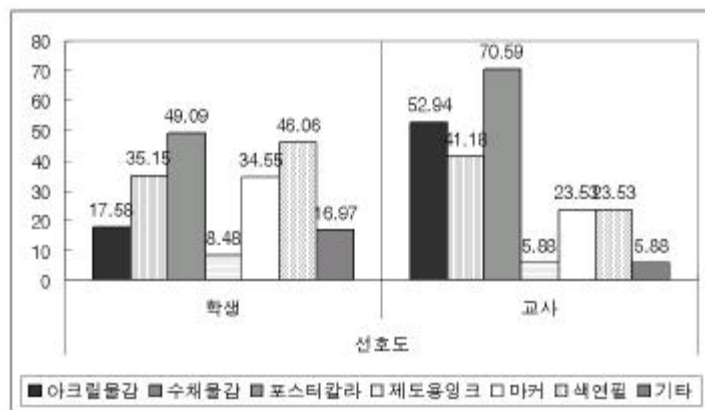
46% .

71%,

53% .



35. /



36. /

3.

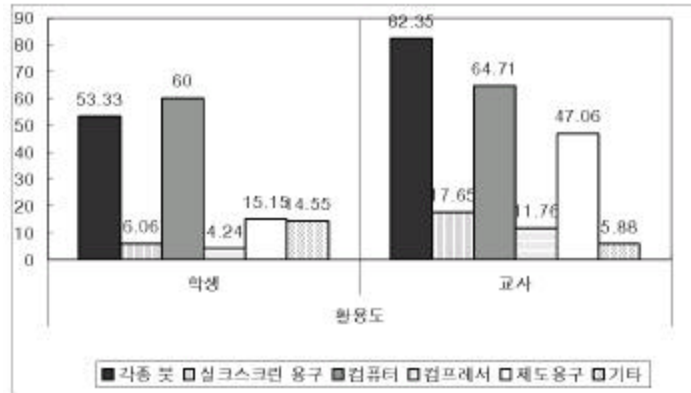
37 /

53% 82%, 65% 60%, .

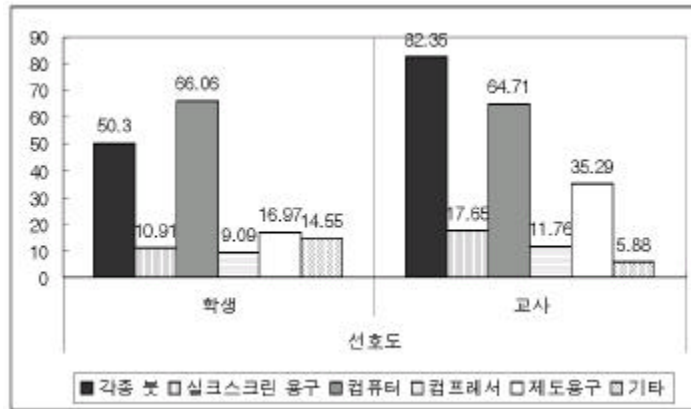
38 /

82% 66% .

가



37. /



38. /

4.

39 /

.  
35%

52%,  
94%,

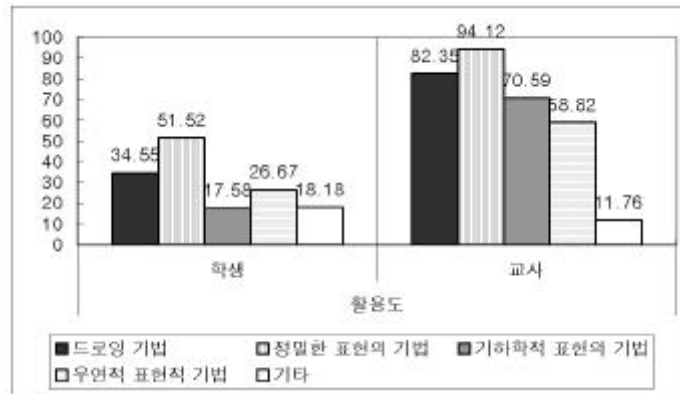
82%, 71% .

40 /

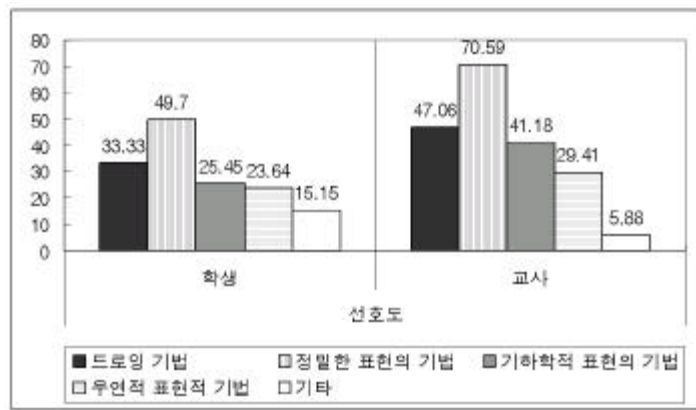
50%,

33% , 71%,

47% .



39. /



40. /

5.

41 /

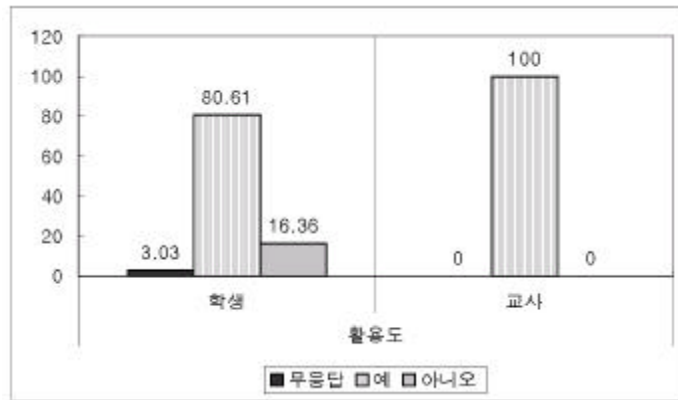
81%

100%

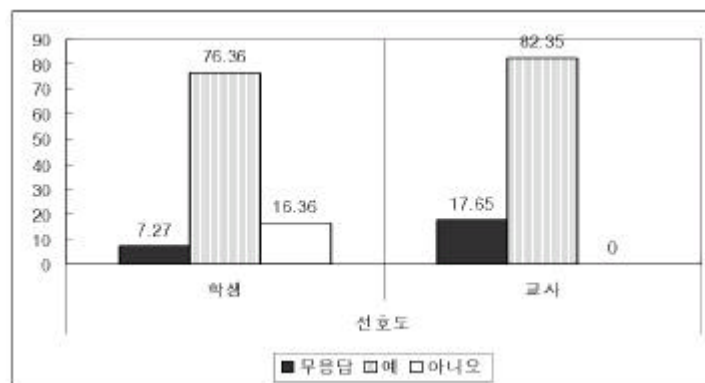
42 /

가 76%,

82%



41. /



42. /

가 .

가 , , .

가 .

가 .  
가 , .

가 , “ .

- 63 -

가  
가  
가

3-4.

50 300  
34% 55%  
가

가

4.

가

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가

.<sup>33)</sup>

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, TV, OHP )

가

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33) , , 2000, p.21

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가

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(彩色材料),

(表現道具)

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| 1 | ?        |          |          |          |          |          |
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| 2 | ?        |          |          |          |          |          |
|   | 25<br>40 | 30<br>45 | 30<br>45 | 35       | 35       | 40       |
| 3 | ?        |          |          |          |          |          |
|   | 1<br>15  | 5<br>20  | 5<br>20  | 10<br>25 | 10<br>25 | 15<br>30 |
| 4 | ?        |          |          |          |          |          |
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|   | 1 | 2 | 3 |
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1. / CIP

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|   |                 |
|---|-----------------|
| 1 | ?( )            |
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3. \_\_\_\_\_ /  
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4. \_\_\_\_\_ / CIP

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| 1 | ?( )            |
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6. \_\_\_\_\_ /

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| 3 | ?( )            |
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| 4 | ?( )            |
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| 5 | ?               |
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