## APPENDICES

## A. TABLES

## 1. THE CALCULATION OF THE MEAN SCORES OF THE SAMPLES

Table 1
The Mean Scores of Students of Sample Groups Based on a Daily Test

| No | XA | $\mathrm{X}^{2} \mathrm{~A}$ | XB | $\mathrm{X}^{2} \mathrm{~B}$ | XC | X ${ }^{2} \mathrm{C}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 35 | 1225 | 31 | 961 | 51 | 2601 |
| 2 | 73 | 5329 | 38 | 1444 | 30 | 900 |
| 3 | 12 | 144 | 88 | 7744 | - | - |
| 4 | 89 | 7921 | 92 | 8464 | 89 | 7921 |
| 5 | 15 | 225 | 65 | 4225 | 90 | 8100 |
| 6 | 77 | 5929 | 31 | 961 | 37 | 1369 |
| 7 | 42 | 1764 | 25 | 625 | 86 | 7396 |
| 8 | 36 | 1296 | 31 | 961 | 80 | 6400 |
| 9 | 76 | 5776 | 76 | 5776 | 51 | 2601 |
| 10 | 55 | 3025 | 65 | 4225 | 67 | 4489 |
| 11 | 50 | 2500 | 100 | 10000 | 72 | 5184 |
| 12 | 40 | 1600 | 80 | 6400 | 87 | 7569 |
| 13 | 76 | 5776 | 51 | 2601 | 83 | 6889 |
| 14 | 87 | 7569 | 27 | 729 | 92 | 8464 |
| 15 | 72 | 5184 | 95 | 9025 | 35 | 1225 |
| 16 | 55 | 3025 | 69 | 4761 | 52 | 2704 |
| 17 | 85 | 7225 | 50 | 2500 | 70 | 4900 |
| 18 | 12 | 144 | 73 | 5329 | 81 | 6561 |
| 19 | 96 | 9216 | 88 | 7744 | 41 | 1681 |
| 20 | 45 | 2025 | 77 | 5929 | 84 | 7056 |
| 21 | 59 | 3481 | 100 | 10000 | 80 | 6400 |
| 22 | 82 | 6724 | 61 | 3721 | 92 | 8464 |
| 23 | 78 | 6084 | 55 | 3025 | 40 | 1600 |
| 24 | 26 | 676 | 80 | 6400 | 40 | 1600 |
| 25 | 92 | 8464 | 54 | 2916 | 45 | 2025 |
| 26 | 45 | 2025 | 88 | 7744 | 86 | 7396 |
| 27 | 30 | 900 | 38 | 1444 | 74 | 5476 |
| 28 | 70 | 4900 | 30 | 900 | - | - |
| 29 | 45 | 2025 | 92 | 8464 | 30 | 900 |
| 30 | 50 | 2500 | 92 | 8464 | 77 | 5929 |
| 31 | 45 | 2025 | 61 | 3721 | 77 | 5929 |
| 32 | 88 | 7744 | 35 | 1225 | 90 | 8100 |
| 33 | 80 | 6400 | 73 | 5329 | 72 | 5184 |


| 34 | 40 | 1600 | 54 | 2916 | 91 | 8281 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35 | 83 | 6889 | 88 | 7744 | 68 | 4624 |
| 36 | 82 | 6724 | 99 | 9801 | 88 | 7744 |
| 37 | 42 | 1764 | 60 | 3600 | 69 | 4761 |
| 38 | 57 | 3249 | 73 | 5329 |  |  |
| 39 | 67 | 4489 |  |  |  |  |
| 40 | 98 | 9604 |  |  |  |  |
| 41 | 95 | 9025 |  |  |  |  |
|  |  |  |  |  |  |  |
| $\Sigma \mathbf{X}$ | 2482 | 174190 | 2485 | 183147 | 2397 | 178423 |
| n | 41 |  | 38 |  | 37 |  |
| $\overline{\text { X }}$ | 60,53659 |  | 65,39474 |  | 68,48571 |  |
| SD | 24,46 |  | 23,62 |  | 20,5 |  |

## Test of Hypothesis of Class 3V1and 3V2

1. Ho : $\mu \mathrm{A}=\mu \mathrm{B}$, there is no significant difference between group A and group B

Ho : $\mu \mathrm{A}>\mu \mathrm{B}$, the mean score of group A is greater than group B
2. t -test, where $\mathrm{df}=\mathrm{nA}+\mathrm{nB}=69$
$t(5 \%)=1,67$
3. Calculation for t-observation (to) :

A = Class 3V1 of SDK St. Vincentius
$\mathrm{n}=41$

$$
\bar{X}=\frac{\Sigma X_{A}}{n}=60,54
$$

$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{A}^{2}-\left(\Sigma X_{A}\right)^{2}}{n-------------1)}}=24,46$
B = Class 3V2 of SDK St. Vincentius
$\mathrm{n}=38$

$$
\overline{\mathrm{X}}=\frac{\sum X_{\mathrm{B}}}{\mathrm{n}}=\mathbf{- - - -}=65,39
$$



The t-observation:

4. Conclusion :

Because the t -observation ( to) is $-0,90<\mathrm{t}(5 \% / 2)$, so the Ho is accepted.
Hence, there is no significant difference between group A and B.

## Test of Hypothesis of Class 3 V 1 and 3 V 3

1. Ho : $\mu \mathrm{A}=\mu \mathrm{B}$, there is no significant difference between group A and group B

Ho : $\mu \mathrm{A}>\mu \mathrm{B}$, the mean score of group A is greater than group B
2. t -test, where $\mathrm{df}=\mathrm{nA}+\mathrm{nB}=69$

$$
t(5 \%)=1,67
$$

3. Calculation for t-observation (to) :

A = Class 3V1 of SDK St. Vincentius
$\mathrm{n}=41$

$$
\overline{\mathbf{X}}=\frac{\Sigma \mathrm{X}_{\mathrm{A}}}{\mathrm{n}}=60,54
$$

$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{A}{ }^{2}-\left(\Sigma X_{A}\right)^{2}}{n(n-1)}}=24,46$

> B = Class 3V3 of SDK St. Vincentius
$\mathrm{n}=37$

$$
\bar{X}=\underset{n}{\stackrel{\sum X_{B}}{n}---}=68,49
$$

$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{B}^{2}-\left(\Sigma X_{B}\right)^{2}}{n(n-1)}}=20,51$
The t-observation:

4. Conclusion :

Because the t -observation ( to) is $-1,52<\mathrm{t}(5 \% / 2)$, so the Ho is accepted.
Hence, there is no significant difference between group A and B.

## Test of Hypothesis of Class 3V2 and 3V3

1. Ho : $\mu \mathrm{A}=\mu \mathrm{B}$, there is no significant difference between group A and group B

Ho : $\mu \mathrm{A}>\mu \mathrm{B}$, the mean score of group A is greater than group B
2. t -test, where $\mathrm{df}=\mathrm{nA}+\mathrm{nB}=69$

$$
t(5 \%)=1,67
$$

3. Calculation for t-observation (to) :

A = Class 3V2 of SDK St. Vincentius
$\mathrm{n}=38$

$$
\bar{X}=\frac{\Sigma X_{\mathrm{A}}}{\mathrm{n}}=65,39
$$

$$
\begin{aligned}
& \text { B = Class 3V3 of SDK St. Vincentius } \\
& \mathrm{n}=35 \\
& \overline{\mathrm{X}}=\stackrel{\sum \mathrm{X}_{\mathrm{B}}}{-----}=68,49 \\
& \text { n } \\
& S_{d}=\sqrt{\frac{n \cdot \Sigma X_{B}{ }^{2}-\left(\Sigma X_{B}\right)^{2}}{n(n-1)}}=20,51
\end{aligned}
$$

The $t$-observation:

4. Conclusion :

Because the t -observation ( to) is $-0,60<\mathrm{t}(5 \% / 2)$, so the Ho is accepted.
Hence, there is no significant difference between group A and B.

## 2. THE CALCULATION OF THE TRY-OUT RELIABILITY

## Table 2

The Try-Out Reliability

| Ho | Students' number | Number of Items |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total (A) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Part 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Part 2 |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | $X$ | $\mathrm{X}^{2}$ |
| 1 | 13 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 |  | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 18 | 324 |
| 2 | 8 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 17 | 289 |
| 3 | 37 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 16 | 256 |
| 4 | 35 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 16 | 256 |
| 5 | 30 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 16 | 256 |
| 6 | 14 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 16 | 256 |
| 7 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | , | 1 | 0 | 1 | 0 | 1 | 16 | 256 |
| 8 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 16 | 256 |
| 9 | 38 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 15 | 225 |
| 10 | 36 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 15 | 225 |
| 11 | 34 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 15 | 225 |
| 12 | 32 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 15 | 225 |
| 13 | 21 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 |  | 15 | 225 |
| 14 | 10 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 15 | 225 |
| 15 | 6 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 15 | 225 |
| 16 | 24 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 14 | 196 |
| 17 | 11 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 14 | 196 |
| 18 | 26 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 13 | 169 |
| 19 | 18 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 11 | 121 |
| 20 | 16 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 9 | 81 |
| 21 | 29 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 8 | 64 |
| 22 | 25 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 49 |
| 23 | 15 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 7 | 49 |
| 24 | 27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 36 |
| 25 | 23 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 36 |
| 26 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 6 | 36 |
| 27 | 12 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 36 |
| 28 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 36 |
| 29 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 36 |
| 30 | 22 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 25 |
| 31 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 5 | 25 |
| 32 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | , | 0 | 0 | 0 | 0 | 0 | 4 | 16 |
| 33 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 16 |
| 34 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 16 |
| 35 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| 36 | 28 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| 37 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 |
| 38 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
|  | Total (B) | 18 | 8 | 14 | 14 | 7 | 16 | 9 | 28 | 14 | 15 | 12 | 14 | 25 | 8 | 10 | 14 | 19 | 17 | 22 | 27 | 22 | 7 | 14 | 12 | 21 |  |  |
|  | DI | 0.47 | 0,21 | 0.37 | 0,37 | 0,18 | 0,42 | 0,24 | 0,74 | 0,37 | 0,39 | 0,32 | 0,37 | 0,66 | 0,21 | 0,26 | 0,37 | 0,50 | 0.45 | 0,58 | 0,71 | 0,58 | 0,18 | 0,37 | 0,32 | 0,55 |  |  |
|  | RU | 16 | 6 | - | 11 | 6 | 12 | 7 | 17 | 11 | 12 | 9 | 11 | 17 | 6 | 7 | 11 | 12 | 14 | 15 | 18 | 18 | 6 | 9 | 10 | 18 |  |  |
|  | RL | 2 | 2 | 5 | 3 | 1 | 4 | 2 | 11 | 3 | 3 | 3 | 3 | 8 | 2 | 3 | 3 | 7 | 3 | 7 | 9 | 4 | 1 | 5 | 2 | 3 |  |  |
|  | 10 | 0.74 | 0,21 | 0,21 | 0.42 | 0,26 | 0,42 | 0,26 | 0,32 | 0,42 | 0.47 | 0,32 | 0.42 | 0,47 | 0,21 | 0,21 | 0,42 | 0,26 | 0,58 | 0.42 | 0,47 | 0,74 | 0,26 | 0,21 | 0.42 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Tot |  | 387 | 4989 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Mea |  | 10,18 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SD |  | 5,32 |  |

Total scores $\left(\sum X\right)=387$
Total scores squared $\left(\sum X^{2}\right)=4989$
Total number of the students $(\mathrm{n})=38$
Total number of the items $(\mathrm{K})=25$
Mean (X)
$\bar{X}=\frac{\sum X}{n}-----10,18$
Standard deviation


K-R Formula :

The reliability coefficient of the Try-Out test is 0,79

## 3. THE CALCULATION OF DIFFICULTY INDEX AND THE ITEM DISCRIMINATION

Table 3
The Difficulty Index and the Item Discrimination

| $\begin{gathered} \hline \text { item } \\ \text { number } \end{gathered}$ |  | difficulty index | interpretation | discrimination index | interpretation |
| :---: | :---: | :---: | :---: | :---: | :---: |
| part 1 | 1 | 0,47 | Moderate | 0,74 | Excellent |
|  | 2 | 0,21 | Difficult | 0,21 | Satisfactory |
|  | 3 | 0,37 | Moderate | 0,21 | Satisfactory |
|  | 4 | 0,37 | Moderate | 0,42 | Good |
|  | 5 | 0,18 | Difficult | 0,26 | Satisfactory |
|  | 6 | 0,45 | Moderate | 0,47 | Good |
|  | 7 | 0,24 | Difficult | 0,26 | Satisfactory |
|  | 8 | 0,74 | Easy | 0,32 | Satisfactory |
|  | 9 | 0,37 | Moderate | 0,42 | Good |
|  | 10 | 0,39 | Moderate | 0,47 | Good |
|  | 11 | 0,32 | Moderate | 0,32 | Satisfactory |
|  | 12 | 0,37 | Moderate | 0,42 | Good |
|  | 13 | 0,66 | Moderate | 0,47 | Good |
|  | 14 | 0,21 | Difficult | 0,21 | Satisfactory |
|  | 15 | 0,26 | Difficult | 0,21 | Satisfactory |
| part 2 | 1 | 0,37 | Moderate | 0,42 | Good |
|  | 2 | 0,5 | Moderate | 0,26 | Satisfactory |
|  | 3 | 0,45 | Moderate | 0,58 | Good |
|  | 4 | 0,58 | Moderate | 0,42 | Good |
|  | 5 | 0,71 | Easy | 0,47 | Good |
|  | 6 | 0,58 | Moderate | 0,74 | Excellent |
|  | 7 | 0,18 | Difficult | 0,26 | Satisfactory |
|  | 8 | 0,37 | Moderate | 0,21 | Satisfactory |
|  | 9 | 0,32 | Moderate | 0,42 | Good |
|  | 10 | 0,55 | Moderate | 0,79 | Excellent |

## 4. THE CALCULATION OF THE SCORES OF PRE-TEST

Table 4
The Scores of the Pre-Test

| No | Experimental Group |  |  | Control. Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{X}$ |  | $\mathbf{X}^{\mathbf{2}}$ | $\mathbf{X}$ |  | $\mathbf{X}^{\mathbf{2}}$ |
|  | Part 1 | Part 2 |  | Part 1 | Part 2 |  |
| $\mathbf{1}$ | 4 | 4 | 64 | 4 | 6 | 100 |
| 2 | 5 | 10 | 225 | 2 | 5 | 49 |
| 3 | 5 | 4 | 81 | 5 | 6 | 121 |
| 4 | 5 | 7 | 144 | 5 | 6 | 121 |
| 5 | 4 | 4 | 64 | 6 | 8 | 196 |
| 6 | 6 | 7 | 169 | 3 | 6 | 81 |
| 7 | 6 | 3 | 81 | 2 | 5 | 49 |
| 8 | 5 | 6 | 121 | 3 | 3 | 36 |
| 9 | 5 | 4 | 81 | - | - | - |
| 10 | 9 | 4 | 169 | 5 | 5 | 100 |
| 11 | 3 | 5 | 64 | 5 | 6 | 121 |
| 12 | 5 | 3 | 64 | - | - | - |
| 13 | 3 | 4 | 49 | 3 | 7 | 100 |
| 14 | 3 | 5 | 64 | 4 | 5 | 81 |
| 15 | 8 | 4 | 144 | 2 | 4 | 36 |
| 16 | 2 | 4 | 36 | 7 | 6 | 169 |
| 17 | 4 | 7 | 121 | 3 | 4 | 49 |
| 18 | 4 | 4 | 64 | 4 | 7 | 121 |
| 19 | 4 | 4 | 64 | 5 | 6 | 121 |
| 20 | 6 | 5 | 121 | 4 | 3 | 49 |
| 21 | 5 | 5 | 100 | 4 | 5 | 81 |
| 22 | 5 | 5 | 100 | 3 | 5 | 64 |
| 23 | 6 | 5 | 121 | 3 | 6 | 81 |
| 24 | 6 | 7 | 169 | 2 | 4 | 36 |
| 25 | 2 | 7 | 81 | 3 | 5 | 64 |
| 26 | 6 | 7 | 169 | - | - | - |
| 27 | 3 | 6 | 81 | 3 | 4 | 49 |
| 28 | 3 | 5 | 64 | 4 | 6 | 100 |
| 29 | 4 | 6 | 100 | 3 | 7 | 100 |
| 30 | 4 | 7 | 121 | - | - | - |
| 31 | 2 | 5 | 49 | - | - | - |
| 32 | 3 | 5 | 64 | 3 | 8 | 121 |
| 33 | 3 | 4 | 49 | 4 | 4 | 64 |
| 34 | 3 | 3 | 36 | 4 | 4 | 64 |
| 35 | 3 | 4 | 49 | 4 | 6 | 100 |
|  |  |  |  |  |  |  |


| 36 | 4 | 3 | 49 | 2 | 5 | 49 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37 | 4 | 6 | 100 | 4 | 7 | 121 |
| 38 |  |  |  | 2 | 5 | 49 |
| 39 |  |  |  | 3 | 5 | 64 |
| 40 |  |  |  | 4 | 8 | 144 |
| 41 |  |  |  | 4 | 6 | 100 |
|  |  |  |  |  |  |  |
| $\Sigma X$ | 350 | 3492 | 329 | 3151 |  |  |
| $\bar{X}$ | 9,46 |  | 9,14 |  |  |  |
| SD | 2,24 |  | 2,03 |  |  |  |

## Note:

1. Student number 23 from the Experimental group was dropped because the student didn't join the pre test.
2. Students from the Control group number 9, 12, 26, 30, and 31 were dropped because they didn't join the pre test while student number 17 was dropped because the student didn't join the post-test.

## Test of Hypothesis

1. Ho : $\mu \mathrm{A}=\mu \mathrm{B}$, there is no significant difference between group A and group B

Ho : $\mu \mathrm{A}>\mu \mathrm{B}$, the mean score of group A is greater than group B
2. t -test, where $\mathrm{df}=\mathrm{nA}+\mathrm{nB}=69$
$t(5 \%)=1,67$
3. Calculation for t-observation (to) :

A = Experimental Group ( Using TPR with real objects )
$\mathrm{n}=37$

$$
\overline{\mathbf{X}}=\underset{\mathrm{n}}{\sum \mathrm{X}_{\mathrm{A}}}=9,--=96
$$

$$
S_{d}=\sqrt{\frac{n \cdot \Sigma X_{A}{ }^{2}-\left(\Sigma X_{A}\right)^{2}}{n(n---------------1)}}=2,24
$$

## B = Control Group ( Using Word Lists )

$\mathrm{n}=36$

$$
\bar{X}=\stackrel{\Sigma X_{B}}{-----}=9,14
$$

n
$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{B}{ }^{2}-\left(\Sigma X_{B}\right)^{2}}{n(n---------------1)}}=2,03$
The t-observation:

$$
\begin{aligned}
& \mathrm{X}_{\mathrm{A}}-\mathrm{X}_{\mathrm{B}}
\end{aligned}
$$

4. Conclusion :

Because the t -observation ( to ) is $0,64<\mathrm{t}(5 \%)$, so Ho is accepted.
In other words, before the treatments are given, there is no significant different between the experimental and the control group.

## 5. THE CALCULATION OF THE SCORES OF POST-TEST

Table 5
The Scores of the Post-Test

| no | Experimental Group |  |  | Control Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | X |  | X $^{2}$ | X |  | X $^{2}$ |
|  | Part 1 | Part 2 |  | Part 1 | Part 2 |  |
| 1 | 6 | 7 | 169 | 3 | 7 | 100 |
| 2 | 7 | 10 | 289 | 8 | 5 | 169 |
| 3 | 4 | 6 | 100 | 4 | 3 | 49 |
| 4 | 9 | 7 | 256 | 2 | 6 | 64 |
| 5 | 7 | 6 | 169 | 7 | 7 | 196 |
| 6 | 5 | 8 | 169 | 7 | 5 | 144 |
| 7 | 11 | 8 | 361 | 3 | 6 | 81 |
| 8 | 10 | 5 | 225 | 3 | 4 | 49 |
| 9 | 7 | 5 | 144 | - | - | - |
| 10 | 7 | 9 | 256 | 0 | 6 | 36 |
| 11 | 3 | 6 | 81 | 5 | 6 | 121 |
| 12 | 6 | 8 | 196 | - | - | - |
| 13 | 9 | 7 | 256 | 7 | 6 | 169 |
| 14 | 6 | 7 | 169 | 4 | 3 | 49 |
| 15 | 8 | 5 | 169 | 6 | 5 | 121 |
| 16 | 4 | 6 | 100 | 6 | 7 | 169 |
| 17 | 8 | 7 | 225 | - | - | - |
| 18 | 9 | 6 | 225 | 7 | 5 | 144 |
| 19 | 5 | 5 | 100 | 10 | 9 | 361 |
| 20 | 6 | 8 | 196 | 2 | 0 | 4 |
| 21 | 9 | 7 | 256 | 7 | 6 | 169 |
| 22 | 13 | 9 | 484 | 6 | 6 | 144 |
| 23 | - | - | - | 10 | 7 | 289 |
| 24 | 6 | 5 | 121 | 3 | 5 | 64 |
| 25 | 7 | 6 | 169 | 9 | 8 | 289 |
| 26 | 11 | 7 | 324 | - | - | - |
| 27 | 7 | 5 | 144 | 3 | 6 | 81 |
| 28 | 6 | 6 | 144 | 10 | 5 | 225 |
| 29 | 3 | 5 | 64 | 6 | 4 | 100 |
| 30 | 3 | 5 | 64 | - | - | - |
| 31 | 6 | 8 | 196 | - | - | - |
| 32 | 4 | 7 | 121 | 6 | 8 | 196 |
| 33 | 6 | 7 | 169 | 4 | 7 | 121 |
| 34 | 7 | 8 | 225 | 2 | 4 | 36 |
| 35 | 7 | 8 | 225 | 9 | 8 | 289 |
| 36 | 9 | 8 | 289 | 10 | 6 | 256 |
|  |  |  |  |  |  |  |


| 37 | 7 | 6 | 169 | 8 | 4 | 144 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38 |  |  |  | 10 | 4 | 196 |
| 39 |  |  |  | 6 | 4 | 100 |
| 40 |  |  |  | 7 | 7 | 196 |
| 41 |  |  |  | 11 | 8 | 361 |
|  |  |  | 408 |  |  | 5282 |
| $\Sigma X$ | 491 | 7019 | 408 |  |  |  |
| $\bar{X}$ | 13,64 |  | 11,27 |  |  |  |
| SD |  |  |  |  |  |  |  |

## Note:

1. Student number 23 from the Experimental group was dropped because the student didn't join the pre test.
2. Students from the Control group number 9, 12, 26, 30, and 31 were dropped because they didn't join the pre test while student number 17 was dropped because the student didn't join the post-test

## Test of Hypothesis

1. Ho : $\mu \mathrm{A}=\mu \mathrm{B}$, there is no significant difference between group A and group B

Ho : $\mu \mathrm{A}>\mu \mathrm{B}$, the mean score of group A is greater than group B
2. t -test, where $\mathrm{df}=\mathrm{nA}+\mathrm{nB}=69$

$$
t(5 \%)=1,67
$$

3. Calculation for t -observation (to) :

A = Experimental Group (Using TPR with real objects )
$\mathrm{n}=36$

$$
\overline{\mathbf{X}}=\stackrel{\Sigma X_{\mathrm{A}}}{ }=----13,64
$$

n
$S_{d}=\sqrt{\frac{\mathrm{n} \cdot \Sigma \mathrm{X}_{\mathrm{A}}{ }^{2}-\left(\Sigma \mathrm{X}_{\mathrm{A}}\right)^{2}}{\mathrm{n}(\mathrm{n}-1)}}=3,03$
$B=$ Control Group ( Using Word Lists $)$
$\mathrm{n}=35$

$$
\bar{X}=\stackrel{\Sigma X_{B}}{-----}=9,14
$$

n
$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{B}{ }^{2}-\left(\Sigma X_{B}\right)^{2}}{n(n-1)}}=3,93$
The $t$-observation:
4. Conclusion:

Because the t -observation ( to) is $2,81>\mathrm{t}(5 \%)$, so Ho is rejected.
Here, after the treatments were given to both groups, there is significant difference between the experimental group and the control group

## 6. THE CALCULATION OF THE RESULT OF THE GAIN SCORES

Table 6
The Result of the Gain Scores

| No | Experimental Group |  | Control Group |  |
| :---: | :---: | :---: | :---: | :---: |
|  | X | $\mathrm{X}^{2}$ | X | $\mathrm{X}^{2}$ |
| 1 | 5 | 25 | 0 | 0 |
| 2 | 2 | 4 | 6 | 36 |
| 3 | 1 | 1 | -4 | 16 |
| 4 | 4 | 16 | -3 | 9 |
| 5 | 5 | 25 | 0 | 0 |
| 6 | 0 | 0 | 3 | 9 |
| 7 | 10 | 100 | 2 | 4 |
| 8 | 4 | 16 | 1 | 1 |
| 9 | 3 | 9 | - | - |
| 10 | 3 | 9 | -4 | 16 |
| 11 | 1 | 1 | 0 | 0 |
| 12 | 6 | 36 | - | - |
| 13 | 9 | 81 | 3 | 9 |
| 14 | 5 | 25 | -2 | 4 |
| 15 | 1 | 1 | 5 | 25 |
| 16 | 4 | 16 | 0 | 0 |
| 17 | 4 | 16 | - | - |
| 18 | 7 | 49 | 1 | 1 |
| 19 | 2 | 4 | 8 | 64 |
| 20 | 1 | 1 | -5 | 25 |
| 21 | 6 | 36 | 4 | 16 |
| 22 | 12 | 144 | 4 | 16 |
| 23 | - | - | 8 | 64 |
| 24 | -2 | 4 | 2 | 4 |
| 25 | 4 | 16 | 9 | 81 |
| 26 | 5 | 25 | - | - |
| 27 | 3 | 9 | 2 | 4 |
| 28 | 4 | 16 | 5 | 25 |
| 29 | -2 | 4 | 0 | 0 |
| 30 | -3 | 9 | - | - |
| 31 | 7 | 49 | - | - |
| 32 | 3 | 9 | 3 | 9 |
| 33 | 6 | 36 | 3 | 9 |
| 34 | 9 | 81 | -2 | 4 |
| 35 | 8 | 64 | 7 | 49 |
| 36 | 10 | 100 | 9 | 81 |


| 37 | 3 | 9 | 1 | 1 |
| :---: | :---: | :---: | :---: | :---: |
| 38 |  |  | 7 | 49 |
| 39 |  |  | 2 | 4 |
| 40 |  |  | 2 | 4 |
| 41 |  |  | 9 | 81 |
|  |  |  |  |  |
| $\Sigma X$ | 150 | 1046 | 86 | 720 |
| $\bar{X}$ | 4,17 |  | 2,46 |  |
| SD | 3,46 |  | 3,86 |  |

## Note:

1. Student number 23 from the Experimental group was dropped because the student didn't join the pre test.
2. Students from the Control group number $9,12,26,30$, and 31 were dropped because they didn't join the pre test while student number 17 was dropped because the student didn't join the post-test

## Test of Hypothesis

1. Ho : $\mu \mathrm{A}=\mu \mathrm{B}$, there is no significant difference between group A and group B

Ho : $\mu \mathrm{A}>\mu \mathrm{B}$, the mean score of group A is greater than group B
2. t -test, where $\mathrm{df}=\mathrm{nA}+\mathrm{nB}=69$

$$
t(5 \%)=1,67
$$

3. Calculation for t-observation (to) :

A = Experimental Group ( Using TPR with real objects )
$\mathrm{n}=36$

$$
\overline{\mathbf{X}}=-----\quad=9,46
$$

n
$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{A}{ }^{2}-\left(\Sigma X_{A}\right)^{2}}{-\cdots(n-\cdots)}}=3,46$

## B = Control Group ( Using Word Lists )

$\mathrm{n}=35$

$$
\bar{X}=\stackrel{\Sigma X_{B}}{-----}=9,14
$$

n
$S_{d}=\sqrt{\frac{n \cdot \Sigma X_{B}{ }^{2}-\left(\Sigma X_{B}\right)^{2}}{n(n---------------1)}}=3,86$
t-observation:
4. Conclusion:

Because the $t$-observation $\left(t_{o}\right)$ is $2,25>t(5 \%)$, so $H_{O}$ is rejected.
By the end of the research, there is significant difference of the gain score result between the experimental group and the control group

## B. THE TRY-OUT TEST



PART 1 -Look at the pictures above then circle the correct answer

1. The dustbin is $\qquad$ the toy car.
2. The trees are $\qquad$ the car.
a. beside
a. behind
b. in front of
b. in front of
c. between
c. among
d. behind
d. in the middle of
3. The stars are $\qquad$ the picture.
4. The broom is $\qquad$ the bag and the chair.
a. behind
a. on
b. in the middle of
b. in front of
c. in front of
c. between
d. on
d. beside
5. The comb is $\qquad$ the television.
a. under
6. The bottles are $\qquad$ the cup.
b. on
c. in front of
d. in
7. The pencil is $\qquad$ the leaves.
a. among
b. in the middle of
c. in front of
d. on
8. The pencil is $\qquad$ the book.
a. in front of
b. behind
a. on
b. in
c. behind
d. in front of
9. The candy is $\qquad$ the chair.
a. between
b. in the middle of
c. beside
d. under
c. beside

10 . The glass is $\qquad$ the book.
a. beside
b. among
d. under
c. under
d. behind
11. The movie theater is $\qquad$ the toy store.
12. The cat is $\qquad$ the chair.
a. beside
b. in the middle of
c. in front of
d. between
$\qquad$ the television.
13. The drawer is
a. on
b. under
c. in
d. behind
15. The bench is $\qquad$ the trees.
a. in front of
b. beside
c. between
d. among


PART 2 - Look at the pictures then decide TRUE / FALSE

1. Mr. Toni is standing behind the bank. (TRUE / FALSE )
2. The sharpener is in the middle of the plate. ( TRUE / FALSE )
3. The cat is in front of the television. ( TRUE / FALSE )
4. The umbrella is on the car. (TRUE / FALSE )
5. The cat is behind the armchair. (TRUE / FALSE )
6. Mr. Andy is standing beside the bank. ( TRUE / FALSE )
7. The cat is on the basket. (TRUE / FALSE )
8. The cheese is between the watermelons. (TRUE / FALSE )
9. The Police Station is among the Shoe Store and the Post Office. ( TRUE / FALSE )
10. The cat is under the table. (TRUE / FALSE)

## ANSWER KEY

## Part 1

1. D (in front of)
2. A (behind)
3. B (in the middle of)
4. C (between)
5. C (in front of)
6. C (behind)
7. A (among)
8. B (in the middle of)
9. C (beside)
10. C (under)
11. A (beside)
12. A (beside)
13. B (under)
14. D (in the middle of)
15. D (among)

Part 2

1. FALSE
2. TRUE
3. FALSE
4. FALSE
5. TRUE
6. TRUE
7. FALSE
8. FALSE
9. FALSE
10. TRUE

## C. LESSON PLAN FOR EXPERIMENTAL GROUP

MEETING 1

## LESSON PLAN

| Subject | $:$ English |
| :--- | :--- |
| Skill | $:$ Listening, Speaking |
| Language Component | $:$ Grammar, Vocabulary |
| Theme | $:$ Prepositions (On, Under, Between, Behind) |
| Education Level / Grade: Elementary School / 3 |  |
| Time | $: 1 \times 45$ |

## A. Competence

1. Basic Competence

- Students know some prepositions of location
- Students understand the exact position of the given prepositions
- Students use the prepositions in their real communication

2. Achievement Indicators

Speaking
Students are able to:

- State the correct position of objects using prepositions
- Give command to their friends to put objects in the certain position using prepositions


## Grammar

Students are able to:

- Determine the correct prepositions for certain position.
- Use certain prepositions to give command to their friends.


## Vocabulary

Students are able to:

- Mention objects in the classroom
- Recognize objects that are being discussed


## Listening

Students are able to:

- Give the correct response to the teacher's questions or commands
- Know the correct pronunciation of each preposition


## B. Learning Material

- Student's worksheet
- Cards ( some prepositions )
- Real objects


## C. Teaching and Learning Activities/ Teacher notes:

| Stages | Activities |  | Time |
| :---: | :---: | :---: | :---: |
|  | Teacher | Students |  |
| Pre- <br> Instructional <br> Activities | - Greets the students. <br> - Asks about students’ condition whether they feel well or not <br> - Asks students some triggering questions about objects they in the classroom | - Give response <br> - Tell the teacher whether they feel well or not. <br> - Mention the objects in the classroom | $1^{\prime}$ $3 \prime$ |
| Whilst- <br> Instructional <br> Activities | - Tells a dialogue to the students <br> - Presents the dialogue which contains sentences completed with prepositions with clear gestures | - Listen to the teacher’s dialogue <br> - Pay attention on the teacher's gestures which explains the position of prepositions | $10$ $10$ |


|  | - Asks some students to come in front and put objects in the correct positions based on the dialogue <br> - Asks students in pairs to present the dialogue and show off the position of objects using gestures | - Put the objects in the correct positions based on the dialogue <br> - Present the dialogue and show off the position of objects using gestures | 10' |
| :---: | :---: | :---: | :---: |
| Post- <br> Instructional <br> Activities | - Distributes students’ worksheet <br> - Asks them to choose the correct prepositions to explain the location of objects in the pictures (individual work) | - Get the worksheet <br> - Choose the correct prepositions and discuss the answers directly | 10' |

## D. Assessment

- Students are asked to put objects in the correct position as what the teacher commands.
- Students are asked to present the dialogue in pairs and show off the position of objects using gestures.


## TEACHER'S WORKSHEET

## 1. DIALOGUE

It is Monday morning. Edy lives with Gogo and his parents.
Edy : Huhuhu ........ , Gogo where are my white socks?
Gogo : Look... The white socks are on the chair
Where is your meal box?
Edy : Ehm... meal box?!.......I don’t know.
Gogo : Hey... The meal box is behind the bag.

It's 6 A.M. Gerry is going to go to school.
Edy : Oh no .... my black shoes, Gogo
Gogo : Edy, the black shoes are under the table!
Look, your book is under the bag!
Edy : My glasses?? My ruler??
Gogo : The glasses are between the book and the wallet.
Wear the glasses, Edy!
Edy : Ok! Gogo
Gogo : Edy, look... your ruler is behind the pencil box!
The pencil is between the bottle and the watch.
Edy : Ehmmm ... my scissors??
Gogo : Look... the scissors are on the table.
Edy : Oh, thank you Gogo, Goodbye!
Gogo : Bye...Bye...

## 2. PRACTICE 1

Name / Class :
Date:


1. The ball is $\qquad$ the marbles.
a. behind
c. between
b. on
d. under
2. The pencil is $\qquad$ the book.
a. between
c. under
b. behind
d. on
3. The basket is $\qquad$ the biscuits.
a. under
c. on
b. between
d. behind
4. The envelope is $\qquad$ the glass.
a. under
c. between
b. behind
d. on
5. The knife is $\qquad$ the spoon and fork.
6. The cups are $\qquad$ the donuts.
a. behind
c. on
b. between
d. under
a. on
c. behind
b. under
d. between
7. The calendar is $\qquad$ the table.
8. The fan is $\qquad$ the cabinet and box.
a. on
c. between
b. behind
d. under
a. under
c. between
b. on
d. behind
9. The library is $\qquad$ the bank and the café.
10. The towel is $\qquad$ the toothbrush.
a. behind
c. on
b. under
d. between
a. between
b. on
c. under
d. behind

## MEETING 2

## LESSON PLAN

| Subject | $:$ English |
| :--- | :--- |
| Skill | $:$ Listening, Speaking |
| Language Component | $:$ Grammar, Vocabulary |
| Theme | $:$ Prepositions (Beside, In Front Of) |
| Education Level / Grade | $:$ Elementary School / 3 |
| Time | $: 1 \times 45$ |

## A. Competence

1. Basic Competence

- Students know some prepositions of location
- Students understand the exact position of the given prepositions
- Students use the prepositions in their real communication

2. Achievement Indicators

## Speaking

Students are able to:

- State the correct position of objects using prepositions
- Give command to their friends to put objects in the certain position using prepositions


## Grammar

Students are able to:

- Determine the correct prepositions for certain position
- Use certain prepositions to give command to their friends


## Vocabulary

Students are able to:

- Mention objects in the dining room
- Recognize objects that are being discussed


## Listening

Students are able to:

- Give the correct response to the teacher's questions or commands
- Know the correct pronunciation of each preposition


## B. Learning Material

- Students’ worksheet
- Cards ( some prepositions)
- Real objects


## C. Teaching and Learning Activities/ Teacher notes:

| Stages | Activities |  | Time |
| :---: | :---: | :---: | :---: |
|  | Teacher | Students |  |
| Pre- <br> Instructional <br> Activities | - Greets the students. <br> - Asks about students’ condition whether they feel well or not <br> - Asks students some triggering questions about objects in the dining room | - Give response <br> -Tell the teacher whether they feel well or not. <br> - Mention the objects in the dining room | $1^{\prime}$ $3^{\prime}$ |
| Whilst- <br> Instructional <br> Activities | - Tells a dialogue to the students <br> - Presents the dialogue which contains sentences completed with prepositions with clear gestures | - Listen to the teacher's dialogue <br> - Pay attention on the teacher's gestures which explains the position of prepositions | $10$ $10$ |


|  | - Asks some students to come in front and put objects in the correct position based on the dialogue <br> - Asks students in pairs to present the dialogue and show off the position of objects using gestures | - Put the object in the correct position as what the teacher commands <br> - Present the dialogue and show off the position of objects correctly using gestures | 10' |
| :---: | :---: | :---: | :---: |
| Post- <br> Instructional <br> Activities | - Distributes students’ worksheet <br> - Asks them to choose the correct prepositions to explain the location of objects in the pictures (individual work) | - Get the worksheet <br> - Choose the correct prepositions and discuss the answers directly | 10' |

## D. Assessment

- Students are asked to put objects in the correct position as what the teacher commands.
- Students are asked to present the dialogue in pairs and shoe off the position of objects using gestures.


## TEACHER'S WORKSHEET

## 1. DIALOGUE

It is about 1 o'clock
Edy is coming back from the school
Edy : Gogo, I have chocolate bread for you ...
Gogo : Horay! Where is it?
Edy : The bread is in the meal box
Gogo : Meal box?
Edy : The meal box is in the yellow bag
Gogo : Ok... Let's have lunch
(They are eating lunch together)
Gogo : Edy, let's arrange the table...
Edy : I have a plate ...
Gogo : The plate is in front of the glass
Edy : Spoon ... Fork...??
Gogo : The spoon and fork are beside the plate
Edy : Bottle?
Gogo : The bottle is beside the glass
Edy : Milk?
Gogo : The milk is in front of the bread
Edy : Finish Gogo ...
Gogo : Yup, thank you Edy ...

## 2. PRACTICE 2

Name / Class :
Date:


1. The chairs are $\qquad$ the lamp.
a. under
c. in front of
b. in
d. beside
2. The fan is $\qquad$ the table.
a. between
c. behind
b. beside
d. in front of
3. The apples are $\qquad$ the cupboard.
4. The chilies are $\qquad$ the bowl.
a. beside
c. in
b. in front of
d. under
a. in
c. beside
b. under
d. on
5. The knife is $\qquad$ the box.
a. in front of
c. beside
b. between
d. in
6. The orange is $\qquad$ the plate
a. between
c. behind
b. beside
d. in front of
7. The cup is $\qquad$ the glass.
a. under
c. in
b. beside
d. in front of
8. The broom is $\qquad$ the table.
a. in
c. behind
b. in front of
d. on
9. The small pencils are _ the bowl.
a. beside
c. on
b. in front of
d. under
10. The donuts are $\qquad$ the box.
a. under
c. in
b. on
d. in front of

## MEETING 3

## LESSON PLAN

| Subject | : English |
| :--- | :--- |
| Skill | : Listening, Speaking |
| Language Component | $:$ Grammar, Vocabulary |
| Theme | $:$ Prepositions (In the Middle of, Among) |
| Education Level / Grade: Elementary School / 3 |  |
| Time | $: 1 \times 45$ |

## A. Competence

1. Basic Competence

- Students know some prepositions of location
- Students understand the exact position of the given prepositions
- Students use the prepositions in their real communication

2. Achievement Indicators

## Speaking

Students are able to:

- State the correct position of objects using prepositions
- Give command to their friends to put objects in the certain position using prepositions


## Grammar

Students are able to:

- Determine the correct prepositions for certain position
- Use certain prepositions to give command to their friends


## Vocabulary

Students are able to:

- Mention objects in the dining room
- Recognize objects that are being discussed


## Listening

Students are able to:

- Give the correct response to the teacher's questions or commands
- Know the correct pronunciation of each preposition


## B. Learning Material

- Students’ worksheet
- Cards ( some prepositions)
- Real objects


## C. Teaching and Learning Activities/ Teacher notes:

| Stages | Activities |  | Time |
| :---: | :---: | :---: | :---: |
|  | Teacher | Students |  |
| Pre- <br> Instructional <br> Activities | - Greets the students. <br> - Asks about students’ condition whether they feel well or not <br> - Asks students some triggering questions about objects in the dining room | - Give response <br> -Tell the teacher whether they feel well or not. <br> - Mention the objects in the dining room | $1^{\prime}$ $3^{\prime}$ |
| Whilst- <br> Instructional <br> Activities | - Tells a dialogue to the students <br> - Presents the dialogue which contains sentences completed with prepositions with clear gestures | - Listen to the teacher's dialogue <br> - Pay attention on the teacher's gestures which explains the position of prepositions | $10$ $10$ |


|  | - Asks some students to come in front and put objects in the correct position based on the dialogue <br> - Asks students in pairs to present the dialogue and show off the position of objects using gestures | - Put the object in the correct position as what the teacher commands <br> - Present the dialogue and show off the position of objects correctly using gestures | 10' |
| :---: | :---: | :---: | :---: |
| Post- <br> Instructional <br> Activities | - Distributes students’ worksheet <br> - Asks them to choose the correct prepositions to explain the location of objects in the pictures (individual work) | - Get the worksheet <br> - Choose the correct prepositions and discuss the answers directly | 10' |

## D. Assessment

- Students are asked to put objects in the correct position as what the teacher commands.
- Students are asked to present the dialogue in pairs and shoe off the position of objects using gestures.


## TEACHER'S WORKSHEET

## 1. DIALOGUE

Edy is finishing his dinner
It's about 8 o'clock
Edy : Gogo, Let's make cards...
Gogo : Okay...
Edy : I need scissors...
Gogo : The scissors are among the pencils.
Edy : I need glue...
Gogo : Look, the glue is among the stickers.
Edy : Gogo, I have blue and yellow carton.
Gogo : Okay
Edy : I put the yellow carton in the middle of the blue carton.

I also have green and pink carton
I put the green carton in the middle of the pink carton.

Gogo : Wow, that's nice...
Edy : Let's put stickers in the middle of yellow green carton.

Gogo : Yeah... Edy, you're very creative
Edy : Thank you
Gogo : I want to make cards also...

## 2. PRACTICE 3

Name / Class :
Date:


1. The bowl is $\qquad$ the short pencils.
2. The card is $\qquad$ the books.
a. among
c. in front of
b. behind
d. under
a. in the middle of
c. on
b. among
d. behind
3. The cake is $\qquad$ the glasses.
a. between
c. among
b. beside
d. in the middle of
4. The candle is $\qquad$ the cake.
a. in
c. in the middle of
b. under
d. behind
5. The sharpener is $\qquad$ the plate.
a. in the middle of
c. between
b. under
d. in
6. The knife is _ the fork and the spoon.
a. among
c. in the middle of
b. under
d. between
7. The book is $\qquad$ the scissors.
a. in front of
c. under
b. between
d. among
8. The apples are $\qquad$ the cupboard.
9. The cup is $\qquad$ the box.
a. under
c. in the middle of
b. beside
d. in

## D. LESSON PLAN FOR CONTROL GROUP

MEETING 1

## LESSON PLAN

| Subject | $:$ English |
| :--- | :--- |
| Skill | : Listening, Writing |
| Language Component | $:$ Grammar, Vocabulary |
| Theme | $:$ Prepositions (On, Under, Between, Behind) |
| Education Level / Grade: Elementary School / 3 |  |
| Time | $: 1 \times 45$ |

## A. Competence

1. Basic Competence

- Students know some prepositions of location
- Students understand the meaning of the given prepositions
- Students can differentiate the prepositions

2. Achievement Indicators

Writing
Students are able to:

- Translate sentences with prepositions into Indonesian

Grammar
Students are able to:

- Determine the correct prepositions and meaning of prepositions from the given sentences


## Vocabulary

Students are able to:

- Mention objects in the classroom
- Recognize objects that are being discussed


## Listening

Students are able to:

- Know the correct pronunciation of each preposition
- Know the exact meaning of each preposition


## B. Learning Material

- Students’ worksheet
- Cards ( some prepositions)


## C. Teaching and Learning Activities/ Teacher notes:

| Stages | Activities |  | Time |
| :---: | :---: | :---: | :---: |
|  | Teacher | Students |  |
| Pre- <br> Instructional <br> Activities | - Greets the students. <br> - Asks about students’ condition whether they feel well or not <br> - Asks students some triggering questions about objects in the classroom | - Give response <br> -Tell the teacher whether they feel well or not. <br> - Mention the objects in the classroom | $1^{\prime}$ $3^{\prime}$ |
| Whilst- <br> Instructional <br> Activities | - Introduces some prepositions and provide the Indonesian translation <br> - Tells a dialogue to the students by translating it into Indonesian | - Know some prepositions and also the meaning <br> - Listen to the teacher's dialogue | 4, <br> 7' <br> 7' |


|  | - Discusses sentences which contain prepositions and translate them into Indonesian <br> - Provides other sentences and translates them together with the students | - Know the meaning of the sentences given <br> - Translate the sentences and they become more understand | 7’ |
| :---: | :---: | :---: | :---: |
| Post- <br> Instructional <br> Activities | - Distributes students' worksheet <br> - Ask them to choose the correct prepositions to explain the location of objects in the pictures ( individual work) | - Get the worksheet <br> - Choose the correct prepositions and discuss the answers directly | 10' |

## D. Assessment

- Students are asked to mention the Indonesian meaning of the certain prepositions.
- Students are asked to translate sentences using prepositions into Indonesian.


## TEACHER'S WORKSHEET

## 1. DIALOGUE

It is Monday morning. Edy lives with Gogo and his parents.
Edy : Huhuhu ........ , Gogo where are my white socks?
Gogo : Look... The white socks are on the chair
Where is your meal box?
Edy : Ehm... meal box?!.......I don't know.
Gogo : Hey... The meal box is behind the bag.

It's 6 A.M. Gerry is going to go to school.
Edy : Oh no .... my black shoes, Gogo
Gogo : Edy, the black shoes are under the table!
Look, your book is under the bag!
Edy : My glasses?? My ruler??
Gogo : The glasses are between the book and the wallet.
Wear the glasses, Edy!
Edy : Ok! Gogo
Gogo : Edy, look... your ruler is behind the pencil box!
The pencil is between the bottle and the watch.
Edy : Ehmmm ... my scissors??
Gogo : Look... the scissors are on the table.
Edy : Oh, thank you Gogo, Goodbye!
Gogo : Bye...Bye...

## 2. PRACTICE 1

Name / Class :
Date:


1. The ball is $\qquad$ the marbles.
a. behind
c. between
b. on
d. under
2. The pencil is $\qquad$ the book.
a. between
c. under
b. behind
d. on
3. The basket is $\qquad$ the biscuits.
a. under
c. on
b. between
d. behind
4. The envelope is $\qquad$ the glass.
a. under
c. between
b. behind
d. on
5. The knife is $\qquad$ the spoon and fork.
6. The cups are $\qquad$ the donuts.
a. behind
c. on
b. between
d. under
a. on
c. behind
b. under
d. between
7. The calendar is $\qquad$ the table.
8. The fan is $\qquad$ the cabinet and box.
a. on
c. between
b. behind
d. under
a. under
c. between
b. on
d. behind
9. The library is $\qquad$ the bank and the café.
10. The towel is $\qquad$ the toothbrush.
a. behind
c. on
b. under
d. between
a. between
b. on
c. under
d. behind

## MEETING 2

## LESSON PLAN

| Subject | $:$ English |
| :--- | :--- |
| Skill | $:$ Listening, Writing |
| Language Component | $:$ Grammar, Vocabulary |
| Theme | $:$ Prepositions (Beside, In Front Of) |
| Education Level / Grade | $:$ Elementary School / 3 |
| Time | $: 1 \times 45$ |

## A. Competence

1. Basic Competence

- Students know some prepositions of location
- Students understand the meaning of the given prepositions
- Students can differentiate the prepositions

2. Achievement Indicators

Writing
Students are able to:

- Translate sentences with prepositions into Indonesian

Grammar
Students are able to:

- Determine the correct prepositions and meaning of prepositions from the given sentences

Vocabulary
Students are able to:

- Mention objects in the dining room
- Recognize objects that are being discussed


## Listening

Students are able to:

- Know the correct pronunciation of each preposition
- Know the exact meaning of each preposition


## B. Learning Material

- Students’ worksheet
- Cards ( some prepositions)


## C. Teaching and Learning Activities/ Teacher notes:

| Stages | Activities |  | Time |
| :---: | :---: | :---: | :---: |
|  | Teacher | Students |  |
| Pre- <br> Instructional <br> Activities | - Greets the students <br> - Asks about students’ condition whether they feel well or not <br> - Asks students some triggering questions about objects in the dining room | - Give response <br> - Tell the teacher whether they feel well or not. <br> - Mention the objects in the dining room | $1^{\prime}$ 3' |
| Whilst- <br> Instructional <br> Activities | - Introduces some prepositions and provide the Indonesian translation <br> - Tells a dialogue to the students by translating it into Indonesian <br> - Discusses sentences which contain prepositions and translate them into Indonesian | - Know some prepositions and also the meaning <br> - Listen to the teacher's dialogue <br> - Know the meaning of the sentences given | 4' <br> 7' <br> 7' <br> 7' |


|  | - Provides other sentences and translates them together with the students | - Translate the sentences and they become more understand |  |
| :---: | :---: | :---: | :---: |
| Post- <br> Instructional <br> Activities | - Distributes students’ worksheet <br> - Asks them to choose the correct prepositions to explain the location of objects in the pictures.( individual work) | - Get the worksheet <br> - Choose the correct prepositions and discuss the answers directly | 10' |

## D. Assessment

- Students are asked to mention the Indonesian meaning of the certain prepositions.
- Students are asked to translate sentences using prepositions into Indonesian.


## TEACHER'S WORKSHEET

## 1. DIALOGUE

It is about 1 o'clock
Edy is coming back from the school
Edy : Gogo, I have chocolate bread for you ...
Gogo : Horay! Where is it?
Edy : The bread is in the meal box
Gogo : Meal box?
Edy : The meal box is in the yellow bag
Gogo : Ok... Let’s have lunch
(They are eating lunch together)
Gogo : Edy, let's arrange the table...
Edy : I have a plate ...
Gogo : The plate is in front of the glass
Edy : Spoon ... Fork...??
Gogo : The spoon and fork are beside the plate
Edy : Bottle?
Gogo : The bottle is beside the glass
Edy : Milk?
Gogo : The milk is in front of the bread
Edy : Finish Gogo ...
Gogo : Yup, thank you Edy ...

## 2. PRACTICE 2

Name / Class :
Date:


1. The chairs are $\qquad$ the lamp.
a. under
c. in front of
b. in
d. beside
2. The fan is $\qquad$ the table.
a. between
c. behind
b. beside
d. in front of
3. The apples are $\qquad$ the cupboard.
4. The chilies are $\qquad$ the bowl.
a. beside
c. in
b. in front of
d. under
a. in
c. beside
b. under
d. on
5. The knife is $\qquad$ the box.
a. in front of
c. beside
b. between
d. in
6. The orange is $\qquad$ the plate
a. between
c. behind
b. beside
d. in front of
7. The cup is $\qquad$ the glass.
a. under
c. in
b. beside
d. in front of
8. The broom is
$\qquad$ the table.
a. in
c. behind
b. in front of
d. on
9. The small pencils are _ the bowl.
a. beside
c. on
b. in front of
d. under
10. The donuts are $\qquad$ the box.
a. under
c. in
b. on
d. in front of

## MEETING 3

## LESSON PLAN

| Subject | $:$ English |
| :--- | :--- |
| Skill | $:$ Listening, Writing |
| Language Component | $:$ Grammar, Vocabulary |
| Theme | $:$ Prepositions (In the Middle of, Among) |
| Education Level / Grade | $:$ Elementary School / 3 |
| Time | $: 1 \times 45$ |

## A. Competence

1. Basic Competence

- Students know some prepositions of location
- Students understand the meaning of the given prepositions
- Students can differentiate the prepositions


## 2. Achievement Indicators

Writing
Students are able to:

- Translate sentences with prepositions into Indonesian

Grammar
Students are able to:

- Determine the correct prepositions and meaning of prepositions from the given sentences

Vocabulary
Students are able to:

- Mention objects in the dining room
- Recognize objects that are being discussed


## Listening

Students are able to:

- Know the correct pronunciation of each preposition
- Know the exact meaning of each preposition


## B. Learning Material

- Students’ worksheet
- Cards ( some prepositions)


## C. Teaching and Learning Activities/ Teacher notes:

| Stages | Activities |  | Time |
| :---: | :---: | :---: | :---: |
|  | Teacher | Students |  |
| Pre- <br> Instructional <br> Activities | - Greets the students <br> - Asks about students’ condition whether they feel well or not <br> - Asks students some triggering questions about objects in the dining room | - Give response <br> - Tell the teacher whether they feel well or not. <br> - Mention the objects in the dining room | $1^{\prime}$ 3' |
| Whilst- <br> Instructional <br> Activities | - Introduces some prepositions and provide the Indonesian translation <br> - Tells a dialogue to the students by translating it into Indonesian <br> - Discusses sentences which contain prepositions and translate them into Indonesian | - Know some prepositions and also the meaning <br> - Listen to the teacher's dialogue <br> - Know the meaning of the sentences given | 4' <br> 7' <br> 7' <br> 7' |


|  | - Provides other sentences and translates them together with the students | - Translate the sentences and they become more understand |  |
| :---: | :---: | :---: | :---: |
| Post- <br> Instructional <br> Activities | - Distributes students’ worksheet <br> - Asks them to choose the correct prepositions to explain the location of objects in the pictures.( individual work) | - Get the worksheet <br> - Choose the correct prepositions and discuss the answers directly | 10' |

## D. Assessment

- Students are asked to mention the Indonesian meaning of the certain prepositions.
- Students are asked to translate sentences using prepositions into Indonesian.


## TEACHER'S WORKSHEET

## 1. DIALOGUE

Edy is finishing his dinner
It's about 8 o'clock
Edy : Gogo, Let's make cards...
Gogo : Okay...
Edy : I need scissors...
Gogo : The scissors are among the pencils.
Edy : I need glue...
Gogo : Look, the glue is among the stickers.
Edy : Gogo, I have blue and yellow carton.
Gogo : Okay
Edy : I put the yellow carton in the middle of the blue carton.

I also have green and pink carton
I put the green carton in the middle of the pink carton.

Gogo : Wow, that's nice...
Edy : Let's put stickers in the middle of yellow green carton.

Gogo : Yeah... Edy, you're very creative
Edy : Thank you
Gogo : I want to make cards also...

## 2. PRACTICE 3

Name / Class :
Date:


1. The bowl is $\qquad$ the short pencils.
2. The card is $\qquad$ the books.
a. among
c. in front of
b. behind
d. under
a. in the middle of
c. on
b. among
d. behind
3. The cake is $\qquad$ the glasses.
a. between
c. among
b. beside
d. in the middle of
4. The candle is $\qquad$ the cake.
a. in
c. in the middle of
b. under
d. behind
5. The sharpener is $\qquad$ the plate.
a. in the middle of
c. between
b. under
d. in
6. The knife is _ the fork and the spoon.
a. among
c. in the middle of
b. under
d. between
7. The book is $\qquad$ the scissors.
a. in front of
c. under
b. between
d. among
8. The apples are $\qquad$ the cupboard.
9. The cup is $\qquad$ the box.
a. under
c. in the middle of
b. beside
d. in
