

Appendix 1

Table of midterm test

No	IV A (X1) SDK St. Yosef	$(X1^2)$	IV B (X2) SDK St. Yosef	$(X2^2)$	IV A (X3) SDK Katarina	$(X3^3)$
1	8	64	6.5	42.25	8.8	77.44
2	6.5	42.25	5	25	8.2	67.24
3	4	16	8.5	72.25	4.8	23.04
4	9.5	90.25	7	49	7.2	51.84
5	7	49	8	64	4.4	19.36
6	7.5	56.25	9	81	5.2	27.04
7	8.5	72.25	9.5	90.25	6	36
8	7.5	56.25	7.5	56.25	8.8	77.44
9	7	49	6	36	4.2	17.64
10	7.5	56.25	7.5	56.25	7.8	60.84
11	6.5	42.25	9	81	8	64
12	9.5	90.25	6.5	42.25	4.8	23.04
13	7	49	6	36	8	64
14	7	49	4	16	7.8	60.84
15	5.5	30.25	7	49	9.6	92.16
16	8.5	72.25	2.5	6.25	7.8	60.84
17	6	36	7.5	56.25	8.6	73.96
18	9	81	4	16	7.8	60.84
19	9.5	90.25	4	16	9.6	92.16
20	8	64	4	16	10	100
21	8.5	72.25	7.5	56.25	9.8	96.04
22	6.5	42.25	3.5	12.25	4	16
23	6	36	9	81	7.2	51.84
24	6.5	42.25	8.5	72.25	9.4	88.36
25	6.5	42.25	9	81	7.6	57.76
26	7.5	56.25	9	81	8.8	77.44
27	5	25	8.5	72.25	6.8	46.24
28	6	36	7	49	7.6	57.76
29	9.5	90.25	4.5	20.25	7.2	51.84
30	4	16	7	49	9.2	84.64
31	9	81	5.5	30.25	8.8	77.44
32	3	9	7.5	56.25	5.2	27.04
33	4.5	20.25	8	64	4	16
34	8	64	6	36	5.8	33.64
35	7.5	56.25	3	9	7.4	54.76
36	4	16	8	64		
37	7.5	56.25	9.5	90.25		
38	6.5	42.25	6	36		
39	7	49	4	16		
40	4	16	5.5	30.25		
41	3.5	12.25	7.5	56.25		
42	7	49	6	36		
43	8.5	72.25	7.5	56.25		
	$\sum x = 295.5$	2146.75	$\sum x = 286.5$	2051.75	$\sum x = 256.2$	1986.52

THE TEST HYPOTHESIS

The test hypothesis of class IV-A and class IV-B of SDK Santo Yosef Surabaya

1. **H₀: $\mu_A = \mu_B$** : There is no significant difference between two classes in English ability.

H_a: $\mu_A > \mu_B$: There is a significant difference between two classes in English ability.

2. **T-test** where df: $n_A+n_B-2 = 84$

t table = 1,66

3. Calculation

3.1 Mean

Class IV-A (SDK St. Yosef)

Class IV-B (SDK St. Yosef)

$$\bar{X} = \frac{\sum X}{n} = 6,872 \quad ; n=43$$

$$\bar{X} = \frac{\sum X}{n} = 6,663 \quad ; n=43$$

Where: \bar{x} : the statistical mean

Σx : the total sum of the scores in each group

n : number of individual of each group

3.2 Standard Deviation

$$S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,7392$$

$$S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,9078$$

Where: S : the standard deviation

n : number of individual of each group

$\sum x$: the total sum of the scores in each group

3.3 Calculating the standards scores (to) by using this formula.

$$t_0 = \frac{\bar{X}_A - \bar{X}_B}{\sqrt{\frac{(n_A - 1)SD^2_A + (n_B - 1)SD^2_B}{n_A + n_B - 2} \left(\frac{1}{n_A} + \frac{1}{n_B} \right)}} = 0,532$$

T table = 1, 66

Where: t_0 : the standard score

\bar{X}_A : the mean of subject A

\bar{X}_B : the mean of subject B

SD_A : the standard deviation of subject A

SD_B : the standard deviation of subject B

n_A : the number of subject A

n_B : the number of subject B

4. Conclusion

Because t-observation is $0,532 < t_{table}(1, 66)$ so H_0 is accepted. It means that there is no significant difference in English ability between class IV-A and class IV-B of SDK Santo Yosef Surabaya.

The test hypothesis of class IV-A of SDK Santo Yosef Surabaya and class IV-A of SDK Katarina Surabaya

1. Ho: $\mu_A = \mu_B$: There is no significant difference between two classes in English ability.

Ha: $\mu_A > \mu_B$: There is a significant difference between two classes in English ability.

2. T-test where df: $n_A+n_B-2 = 76$ **t table = 1,67**

3. Calculation

3.1 Mean

Class IV-A (SDK St. Yosef)

$$\bar{X} = \frac{\sum X}{n} = 6,872 \quad ; n=43$$

Class IV-A (SDK Katarina)

$$\bar{X} = \frac{\sum X}{n} = 7,320 \quad ; n=35$$

Where: \bar{x} : the statistical mean

Σx : the total sum of the scores in each group

n : number of individual of each group

3.2 Standard Deviation

$$S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,7392 \qquad S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,8080$$

Where: S : the standard deviation

n : number of individual of each group

$\sum x$: the total sum of the scores in each group

3.3 Calculating the standards scores (to) by using this formula.

$$t_0 = \frac{\bar{X} A - \bar{X} B}{\sqrt{\frac{(nA - 1)SD^2 A + (nB - 1)SD^2 B}{nA + nB - 2} \left(\frac{1}{nA} + \frac{1}{nB} \right)}} = 1,111 \qquad \mathbf{T \ table = 1, 67}$$

4. Conclusion

Because t-observation is 1,111 < t table (1, 67) so Ho is accepted. It means that there is no significant difference in English ability between class IV-A of SDK Santo Yosef and class IV-A of SDK Katarina.

The test hypothesis of class IV-B of SDK Santo Yosef Surabaya and class IV-A of SDK Katarina Surabaya

1. Ho: $\mu_A = \mu_B$: There is no significant difference between two classes in English ability

Ha: $\mu_A > \mu_B$: There is a significant difference between two classes in English ability.

2. T-test where df: $n_A+n_B-2 = 76$

t table = 1, 67

3. Calculation

3.1 Mean

Class IV-B (SDK St. Yosef)

Class IV-A (SDK Katarina)

$$\bar{X} = \frac{\sum X}{n} = 6,663 \quad ; n=43$$

$$\bar{X} = \frac{\sum X}{n} = 7,320 \quad ; n=35$$

Where: \bar{x} : the statistical mean

$\sum x$: the total sum of the scores in each group

n : number of individual of each group

3.2 Standard Deviation

$$S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,9078 \quad S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,8080$$

Where: S : the standard deviation

n : number of individual of each group

$\sum x$: the total sum of the scores in each group

3.3 Calculating the standards scores (to) by using this formula.

$$t_0 = \frac{\bar{X}_A - \bar{X}_B}{\sqrt{\frac{(n_A - 1)SD^2_A + (n_B - 1)SD^2_B}{n_A + n_B - 2} \left(\frac{1}{n_A} + \frac{1}{n_B} \right)}} = 1,549 \quad \mathbf{T \ table = 1, 67}$$

4. Conclusion

Because t-observation is 1,549 < t table (1, 67) so H_0 is accepted. It means that there is no significant difference in English ability between class IV-B of SDK Santo Yosef and class IV-A of SDK Katarina.

APPENDIX 2 ITEM DIFFICULTY

Multiple choices

No	Right answer	Wrong answer	IF	Interpretation
1	20	15	0,57	Moderate
2	13	22	0,37	Moderate
3	26	9	0,74	Easy
4	28	7	0,80	Easy
5	19	16	0,54	Moderate
6	16	19	0,45	Moderate
7	17	18	0,48	Moderate
8	15	20	0,42	Moderate
9	25	10	0,71	Easy
10	25	10	0,71	Easy

Essay

No	Right answer	Wrong answer	IF	Interpretation
1	25	10	0,71	Easy
2	18	17	0,51	Moderate
3	25	10	0,71	Easy
4	25	10	0,71	Easy
5	22	13	0,62	Moderate
6	14	21	0,40	Moderate
7	10	25	0,28	Difficult
8	12	23	0,34	Moderate
9	20	15	0,57	Moderate
10	17	18	0,48	Moderate

$$IF = \frac{ncorrect}{ntotal}$$

Where: IF : Item Facility

N correct: number of pupils answering correctly

N total : number of pupils taking the test

The Criteria of the Level of Difficulty

IF Index	Interpretation
0.00-0.14	Very difficult item
0.15-0.29	Difficult item
0.30-0.70	Moderate item
0.71 -0.85	Easy item
0.86- 1.00	Very easy item

APPENDIX 3 DISCRIMINATION INDEX

Multiple choices

No	Upper	Lower	D	Interpretation
1	12	8	0,41	Good
2	11	2	0,93	Excellent
3	16	10	0,62	Good
4	15	13	0,20	Satisfactory
5	10	9	0,10	Poor
6	11	5	0,62	Good
7	9	8	0,10	Poor
8	10	5	0,51	Good
9	15	10	0,51	Good
10	15	10	0,51	Good

Essay

No	Upper	Lower	D	Interpretation
1	14	11	0,31	Satisfactory
2	12	6	0,62	Good
3	13	12	0,10	Poor
4	14	11	0,31	Satisfactory
5	13	9	0,41	Good
6	13	3	1,00	Excellent
7	6	4	0,20	Satisfactory
8	7	5	0,20	Satisfactory
9	14	6	0,83	Excellent
10	13	4	0,93	Excellent

$$D = \frac{R_u - R_L}{27\frac{1}{2}\% \text{ of } n}$$

Where: D : item discrimination power

R_u : number of upper group pupils who give correct answer

R_L : number of lower group pupils who give correct answer

n : number of students

The Criteria of the Item Discrimination

Discrimination Power	Interpretation
0.00-0.19	Poor
0.20-0.39	Satisfactory
0.40-0.69	Good
0.70- 1.00	Excellent

APPENDIX 4 RELIABILITY ITEMS

Multiple Choices

No	X	1	2	3	4	5	6	7	8	9	10	α	α^2
1	9	1	1	0	1	1	1	1	1	1	1	3.2	10.24
2	9	1	1	1	1	1	1	0	1	1	1	3.2	10.24
3	9	1	1	1	1	1	1	1	0	1	1	3.2	10.24
4	8	1	1	1	1	0	1	1	1	1	0	2.2	4.84
5	7	0	1	1	1	1	0	1	0	1	1	1.2	1.44
6	7	1	1	1	1	1	0	0	0	1	1	1.2	1.44
7	7	1	1	1	1	0	1	0	1	0	1	1.2	1.44
8	7	1	0	1	1	1	0	0	1	1	1	1.2	1.44
9	7	0	1	1	1	0	1	0	1	1	1	1.2	1.44
10	6	1	0	1	1	0	0	1	1	1	0	0.2	0.04
11	6	0	0	0	1	1	1	0	1	1	1	0.2	0.04
12	6	1	0	1	1	0	0	1	0	1	1	0.2	0.04
13	6	1	0	1	0	0	1	1	1	1	0	0.2	0.04
14	6	1	1	1	0	0	1	1	0	0	1	0.2	0.04
15	6	0	0	1	0	1	1	0	1	1	1	0.2	0.04
16	6	0	0	1	1	1	0	1	0	1	1	0.2	0.04
17	6	1	1	1	1	1	0	0	0	0	1	0.2	0.04
18	6	0	1	1	1	0	1	0	0	1	1	0.2	0.04
19	6	0	1	0	1	1	0	1	0	1	1	0.2	0.04
20	5	0	1	1	1	0	1	1	0	0	0	-0.8	0.64
21	5	0	0	0	0	1	1	1	0	1	1	-0.8	0.64
22	5	1	0	0	1	1	0	0	1	1	0	-0.8	0.64
23	5	0	0	0	1	1	1	0	0	1	1	-0.8	0.64
24	5	1	0	1	1	1	0	0	0	0	1	-0.8	0.64
25	5	0	0	1	0	1	1	0	0	1	1	-0.8	0.64
26	5	0	0	1	1	0	0	0	1	1	1	-0.8	0.64
27	5	0	0	1	1	1	0	1	0	1	0	-0.8	0.64
28	5	1	0	1	1	0	0	1	0	0	1	-0.8	0.64
29	5	0	0	0	0	1	1	0	1	1	1	-0.8	0.64
30	4	1	0	1	1	0	0	0	0	1	0	-1.8	3.24
31	4	1	0	1	0	1	0	1	0	0	0	-1.8	3.24
32	4	1	0	0	1	0	0	0	1	0	1	-1.8	3.24
33	4	0	0	0	1	0	0	1	0	1	1	-1.8	3.24
34	4	1	0	1	1	0	0	0	1	0	0	-1.8	3.24
35	4	1	0	1	1	0	0	1	0	0	0	-1.8	3.24
Σ	204	20	13	26	28	19	16	17	15	25	25		69.0

1. Mean

$$\bar{X} = \frac{\sum X}{n} = 5,8$$

Where: \bar{x} : the statistical mean

$\sum x$: the total sum of the scores in each group

n : number of individual of each group

2. Standard Deviation

$$S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 1,90$$

Where: S : the standard deviation

n : number of individual of each group

$\sum x$: the total sum of the scores in each group

3. Reliability

$$r = \frac{k}{k-1} \left(1 - \frac{M(K-M)}{KV} \right) = 0,41$$

Where: R : reliability estimate

M : the statistical mean

K : the number of items in the test

V : Variance

The Interpretation

+ .70 to + 1.00 = high to very high.

+ .40 to + .70 = average to fairly high.

+ .20 to + .40 = present, but low.

+ .00 to + .20 = negligible or low.

4. Conclusion: The Reliability estimate multiple choice items is 0, 41 = average to fairly high.

Essay Items

No	X	1	2	3	4	5	6	7	8	9	10	α	α^2
1	8	1	1	1	1	1	1	0	0	1	1	2.58	6.65
2	8	1	1	1	1	1	1	0	0	1	1	2.58	6.65
3	8	1	1	1	1	1	0	1	0	1	1	2.58	6.65
4	7	1	0	1	1	1	1	0	0	1	1	1.58	2.49
5	7	1	1	1	1	1	1	0	0	1	0	1.58	2.49
6	7	0	1	1	1	1	1	0	0	1	1	1.58	2.49
7	7	1	1	1	1	1	1	0	1	0	0	1.58	2.49
8	7	0	1	1	1	0	1	1	1	1	0	1.58	2.49
9	7	0	0	1	1	1	1	1	0	1	1	1.58	2.49
10	6	1	0	0	1	1	0	1	1	0	1	0.58	0.33
11	6	1	1	1	1	1	0	0	0	0	1	0.58	0.33
12	6	1	0	1	0	1	1	0	0	1	1	0.58	0.33
13	6	1	0	1	0	0	1	0	1	1	1	0.58	0.33
14	6	0	1	1	0	0	1	0	1	1	1	0.58	0.33
15	6	1	1	0	1	0	0	1	1	1	0	0.58	0.33
16	6	1	0	0	0	1	1	1	0	1	1	0.58	0.33
17	6	1	1	0	1	0	0	0	1	1	1	0.58	0.33
18	5	1	1	0	1	1	1	0	0	0	0	-0.4	0.16
19	5	1	0	1	1	1	0	0	0	0	1	-0.4	0.16
20	5	1	0	1	1	0	0	1	1	0	0	-0.4	0.16
21	5	1	1	1	0	0	0	0	1	1	0	-0.4	0.16
22	5	1	0	1	1	1	0	0	0	1	0	-0.4	0.16
23	5	0	1	1	1	0	1	0	0	1	0	-0.4	0.16
24	5	0	1	1	1	1	0	0	0	1	0	-0.4	0.16
25	5	1	1	1	0	0	0	0	0	1	1	-0.4	0.16
26	4	0	1	0	1	1	1	0	0	0	0	-1.4	1.96
27	4	1	0	0	1	1	0	0	1	0	0	-1.4	1.96
28	4	0	1	0	1	1	0	0	0	1	0	-1.4	1.96
29	4	1	0	1	0	0	0	1	0	0	1	-1.4	1.96
30	4	1	0	1	0	0	1	0	1	0	0	-1.4	1.96
31	4	1	0	1	1	0	0	0	1	0	0	-1.4	1.96
32	4	1	0	1	1	0	0	1	0	0	0	-1.4	1.96
33	4	1	0	1	0	1	0	0	0	0	1	-1.4	1.96
34	2	0	0	0	1	1	0	0	0	0	0	-3.4	11.56
35	2	0	0	0	0	1	0	1	0	0	0	-3.4	11.56
Σ	190	25	18	25	25	22	14	10	12	20	17		77.6

1. Mean

$$\bar{X} = \frac{\sum X}{n} = 5,4$$

Where: \bar{x} : the statistical mean

Σx : the total sum of the scores in each group

n : number of individual of each group

2. Standard Deviation

$$S = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 2,21$$

Where: S : the standard deviation

n : number of individual of each group

Σx : the total sum of the scores in each group

3. Reliability

$$r = \frac{k}{k-1} \left(1 - \frac{M(K-M)}{KV} \right) = 0,55$$

Where: R : reliability estimate

M : the statistical mean

K : the number of items in the test

V : Variance

The Interpretation

+ .70 to + 1.00 = high to very high.

+ .40 to + .70 = average to fairly high.

+ .20 to + .40 = present, but low.

+ .00 to + .20 = negligible or low.

4. Conclusion: The Reliability estimate essay items is 0, 55 = average to fairly high.

APENDIX 5
MEETING ONE
LESSON PLAN
FOR THE EXPERIMENTAL GROUP

Subject	: English
Class	: Elementary school, fourth year
Language component	: Vocabulary
Topic	: Action verbs in present continues tense
Time Allocated	: 1 X 30 minutes

A. Competence :

1. Basic competence

- Students are able to master the action verbs (-ing form).

2. Achievement Indicators

Students are able to:

- Students are able to act out some action verbs (-ing form).
- Students are able to guess or mention what is his/her friend doing
- Students are able to fill in the blanks with the action verbs (-ing form) according to the picture.

B. Learning materials

- The List of Vocabularies: studying, teaching, reading, writing, listening, speaking, drawing, sitting, standing, cleaning, knocking, pulling, pushing, sweeping, walking.

C. Learning activities

1. Class activities

A. Pre- Activity

Teacher	Students
<ul style="list-style-type: none"> • Greets the students. • Students are asked the triggering questions: <ol style="list-style-type: none"> 1. Mention the things around you at school. 2. Mention what you can do at school. • The teacher introduces the name of things around the students. • The teacher gives the handout consisting of some action verbs to the students but without their meanings. • The teacher speaks and acts out the action verbs. • The teacher asks some of the students to be volunteers. • The teacher asks the volunteer to imitate him. • The teacher asks the volunteer to do the commands him/her self. • The teacher asks the whole class to act out the action verbs together with him. • Divides the students into 8 groups 	<ul style="list-style-type: none"> • Greet the teacher. • Response the teacher by giving several answer. • Listen to the teacher • Achieve the handout. • Listen and pay attention to the teacher • Response the invitation. • Imitate the teacher by acting out the action verbs (the volunteers). • Act out the action verb (the volunteers). • Act out the action verbs together (whole class). • Form a group

B. Main Activities

Teacher	Students
<ul style="list-style-type: none"> • Gives 6 action verbs to each group • Asks each group to act the action verbs and asks the other group to guess what are their friends doing? • Asks the students to fill in the blanks with the action verbs according to the picture 	<ul style="list-style-type: none"> • Received the action verbs • Act the action verbs while others guess what their friends are doing. • fill in the blanks with the action verbs according to the picture

C. Post-Activities

Teacher	Students
<ul style="list-style-type: none"> • Asks the students to write ten action verbs which is acted by the teacher • Says Good Bye 	<ul style="list-style-type: none"> • Write ten action verbs which is acted by the teacher • Say Good Bye

D. Assessment

The teacher asks the students to fill in the blanks with the right action verbs according to the picture.

Grouping the students:

- Group 1 : sweeping, teaching, reading, listening, pushing, and drawing.
- Group 2 : writing, studying, sitting, cleaning, walking, and pulling.
- Group 3 : knocking, pushing, standing, speaking, reading, and teaching.
- Group 4 : studying, pulling, reading, listening, sitting, and cleaning.
- Group 5 : writing, sweeping, studying, teaching, sitting, and reading.
- Group 6 : cleaning, listening, pushing, walking, drawing, and pulling.
- Group 7 : knocking, studying, pushing, pulling, sitting, and standing.
- Group 8 : reading, listening, speaking, sitting, pulling, and cleaning.

Student's Handout 1
(Experimental group)

- 1. Studying**
Contoh : Kenny is **studying** English now.
- 2. Teaching**
Contoh : Mrs Viviet is **teaching** English in the classroom.
- 3. Reading**
Contoh : Josephine is **reading** a book.
- 4. Writing**
Contoh : I am **writing** a letter.
- 5. Listening**
Contoh : We are **listening** to the music.
- 6. Speaking**
Contoh : Jimmy is **speaking** English.
- 7. Drawing**
Contoh : I am **drawing** a mountain.
- 8. Sitting**
Contoh : We are **sitting** on the chair.
- 9. Standing**
Contoh : We are **standing** now.
- 10. Cleaning**
Contoh : Tommy is **cleaning** the blackboard.
- 11. Knocking**
Contoh : Mr. Christo is **knocking** the door.
- 12. Pulling**
Contoh : I am **pulling** the chair.
- 13. Pushing**
Contoh : I am **pushing** the chair.
- 14. Sweeping**
Contoh : Johnny is **sweeping** the floor.
- 15. Walking**
Contoh : Mr. Christo is **walking** in the classroom.

Post-Activities

A. Pay attention to the teacher and write the action verbs.

1. Mr. Christo is
2. Mr. Christo is
3. Mr. Christo is
4. Mr. Christo is
5. Mr. Christo is
6. Mr. Christo is
7. Mr. Christo is
8. Mr. Christo is
9. Mr. Christo is
10. Mr. Christo is

MEETING ONE
LESSON PLAN
FOR THE CONTROL GROUP

Subject : English
Class : Elementary school, fourth year
Semester : Three
Language component : Vocabulary
Topic : Action verbs in present continuous tense
Time Allocated : 1 X 30 minutes

A. Competence :

1. Basic competence

- Students are able to master the action verbs (-ing form).

2. Achievement Indicators

Students are able to:

- Students are able to memorize the action verbs of present continuous tense
- Students are able to match the right action verbs to their native translations
- Students are able to fill in the blanks with the right action verbs in the “-ing” form according to the picture.

B. Learning materials

- The List of Vocabularies: studying, teaching, reading, writing, listening, speaking, drawing, sitting, standing, cleaning, knocking, pulling, pushing, sweeping, walking.

C. Learning activities

A. Pre- Activity

Teacher	Students
<ul style="list-style-type: none"> • Greets the students. • Students are asked the triggering questions: <ol style="list-style-type: none"> 1. Mention the things around you at school. 2. Mention what you can do at school. • The teacher introduces the name of things around the students. • The teacher gives the handout consisting of some action verbs to the students with their meanings. • The teacher speaks the action verbs and asks the students to repeat after him. • The teacher asks the students to memorize the action verbs. • Divides the students into 8 groups 	<ul style="list-style-type: none"> • Greet the teacher. • Response the teacher by giving several answer. • Listen to the teacher • Achieve the handout. • Listen, pay attention to the teacher and repeat after the teacher. • memorize the action verbs. • Form a group

B. Main Activities

Teacher	Students
<ul style="list-style-type: none"> • Gives 6 action verbs to each group • Asks each group to match the right action verbs according to their native translation. 	<ul style="list-style-type: none"> • Received the action verbs • Match the right action verbs according to their native translation.

<ul style="list-style-type: none"> Asks the students to fill in the blanks with the action verbs according to the picture. 	<ul style="list-style-type: none"> fill in the blanks with the action verbs according to the picture.
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C. Post-Activities

Teacher	Students
<ul style="list-style-type: none"> Mention ten action verbs in Indonesian language and ask the students to write them in English. Says Good Bye 	<ul style="list-style-type: none"> Listen to the teacher and write ten action verbs in English. Say Good Bye

D. Assessment

The teacher asks the students to fill in the blanks with the right action verbs according to the picture.

Grouping the students:

- Group 1 : sweeping, teaching, reading, listening, pushing, and drawing.
- Group 2 : writing, studying, sitting, cleaning, walking, and pulling.
- Group 3 : knocking, pushing, standing, speaking, reading, and teaching.
- Group 4 : studying, pulling, reading, listening, sitting, and cleaning.
- Group 5 : writing, sweeping, studying, teaching, sitting, and reading.
- Group 6 : cleaning, listening, pushing, walking, drawing, and pulling.
- Group 7 : knocking, studying, pushing, pulling, sitting, and standing.
- Group 8 : reading, listening, speaking, sitting, pulling, and cleaning.

Student's Handout 1
(Control group)

1. **Studying : belajar**
Contoh : Kenny is **studying** English now.
2. **Teaching : mengajar**
Contoh : Mrs Viviet is **teaching** English in the classroom.
3. **Reading : membaca**
Contoh : Josephine is **reading** a book.
4. **Writing : menulis**
Contoh : I am **writing** a letter.
5. **Listening : mendengarkan**
Contoh : We are **listening** to the music.
6. **Speaking : berbicara**
Contoh : Jimmy is **speaking** English.
7. **Drawing : menggambar**
Contoh : I am **drawing** a mountain.
8. **Sitting : duduk**
Contoh : We are **sitting** on the chair.
9. **Standing : berdiri**
Contoh : We are **standing** now.
10. **Cleaning : membersihkan**
Contoh : Tommy is **cleaning** the blackboard.
11. **Knocking : mengetuk**
Contoh : Mr. Christo is **knocking** the door.
12. **Pulling : menarik**
Contoh : I am **pulling** the chair.
13. **Pushing : mendorong**
Contoh : I am **pushing** the chair.
14. **Sweeping : menyapu**
Contoh : Johnny is **sweeping** the floor.
15. **Walking : berjalan**
Contoh : Mr. Christo is **walking** in the classroom.

Main activities

A. Match the action verbs according to their native translation.

Group 1

1. menyapu :
2. mengajar :
3. membaca :
4. mendengarkan :
5. mendorong :
6. menggambar :

The Action verbs

drawing	pushing	listening	reading	teaching	sweeping
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Group 2

1. menarik :
2. berjalan :
3. membersihkan :
4. duduk :
5. belajar :
6. menulis :

The Action verbs

writing	studying	sitting	cleaning	walking	pulling
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Group 3

1. mengajar :
2. membaca :
3. berbicara :
4. berdiri :
5. mendorong :
6. mengetuk :

The Action verbs

knocking	pushing	standing	speaking	reading	teaching
----------	---------	----------	----------	---------	----------

Group 4

1. membersihkan :
2. duduk :
3. mendengarkan :
4. membaca :
5. menarik :
6. belajar :

The Action verbs

studying	pulling	reading	listening	sitting	cleaning
----------	---------	---------	-----------	---------	----------

Group 5

1. membaca :
2. duduk :
3. mengajar :
4. belajar :
5. menyapu :
6. menulis :

The Action verbs

writing	sweeping	studying	teaching	sitting	reading
---------	----------	----------	----------	---------	---------

Group 6

1. menarik :
2. menggambar :
3. berjalan :
4. mendorong :
5. mendengarkan :
6. membersihkan :

The Action verbs

cleaning	listening	pushing	walking	drawing	pulling
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Group 7

1. berdiri :
2. duduk :
3. menarik :
4. mendorong :
5. belajar :
6. mengetuk :

The Action verbs

knocking	studying	pushing	pulling	sitting	standing
----------	----------	---------	---------	---------	----------

Group 8

1. membersihkan :
2. menarik :
3. duduk :
4. berbicara :
5. mendengarkan :
6. membaca :

The Action verbs

reading	listening	speaking	sitting	pulling	cleaning
---------	-----------	----------	---------	---------	----------

Post-Activities

A. Listen to the teacher and write the action verbs.

1. Mr. Christo is
2. Mr. Christo is
3. Mr. Christo is
4. Mr. Christo is
5. Mr. Christo is
6. Mr. Christo is
7. Mr. Christo is
8. Mr. Christo is
9. Mr. Christo is
10. Mr. Christo is

MEETING TWO
LESSON PLAN
FOR THE EXPERIMENTAL GROUP

Subject	: English
Class	: Elementary school, fourth year
Language component	: Vocabulary
Topic	: Action verbs in present continues tense
Time Allocated	: 1 X 30 minutes

A. Competence :

1. Basic competence

- Students are able to master the action verbs (-ing form).

2. Achievement Indicators

Students are able to:

- Students are able to act out some action verbs (-ing form).
- Students are able to guess or mention what is his/her friend doing
- Students are able to fill in the blanks with the action verbs (-ing form) according to the picture.

B. Learning materials

- The List of Vocabularies: Playing, eating, drinking, running, sleeping, dancing, kicking, throwing, cooking, singing, crying, swimming, driving, smiling, knocking.

C. Learning activities

1. Class activities

A. Pre- Activity

Teacher	Students
<ul style="list-style-type: none"> • Greets the students. • Review the previous materials by asking the students to guess what is their teacher doing (the teacher perform the previous action verbs that had been taught to the students). • The teacher gives the handout consisting of another action verbs to the students but without their meanings. • The teacher speaks and acts out the action verbs. • The teacher asks some of the students to be volunteers. • The teacher asks the volunteer to imitate him. • The teacher asks the volunteer to do the commands him/her self. • The teacher asks the whole class to act out the action verbs together with him. • Divides the students into 8 groups 	<ul style="list-style-type: none"> • Greet the teacher. • Response the teacher by giving several answer. • Achieve the handout. • Listen and pay attention to the teacher • Response the invitation. • Imitate the teacher by acting out the action verbs (the volunteers). • Act out the action verb (the volunteers). • Act out the action verbs together (whole class). • Form a group

B. Main Activities

Teacher	Students
<ul style="list-style-type: none"> • Gives 6 action verbs to each group • Asks each group to act the action verbs and asks the other group to guess what are their friends doing? • Asks the students to fill in the blanks with the action verbs according to the picture 	<ul style="list-style-type: none"> • Received the action verbs • Act the action verbs while others guess what their friends are doing. • fill in the blanks with the action verbs according to the picture

C. Post-Activities

Teacher	Students
<ul style="list-style-type: none"> • Asks the students to write ten action verbs which is acted by the teacher • Says Good Bye 	<ul style="list-style-type: none"> • Write ten action verbs which is acted by the teacher • Say Good Bye

D. Assessment

The teacher asks the students to fill in the blanks with the right action verbs according to the picture.

Grouping the students:

- Group 1 : playing, eating, drinking, running, sleeping, and dancing.
- Group 2 : kicking, throwing, cooking, singing, crying, and swimming.
- Group 3 : dancing, swimming, singing, kicking, sleeping, and drinking.
- Group 4 : driving, smiling, knocking, cooking, running, and singing.
- Group 5 : sleeping, crying, dancing, swimming, drinking, and kicking.
- Group 6 : driving, throwing, drinking, knocking, playing, and sleeping.
- Group 7 : crying, smiling, dancing, swimming, running, and singing.
- Group 8 : throwing, sleeping, dancing, driving, cooking, and drinking.

Student's Handout 2
(Experimental group)

- 1. Playing**
Contoh : Kenny is **playing** video game now.
- 2. Eating**
Contoh : Johny is **eating** rice.
- 3. Drinking**
Contoh : Josephine is **drinking** milk.
- 4. Running**
Contoh : They are **running** in the classroom.
- 5. Sleeping**
Contoh : Santi is **sleeping** now.
- 6. Dancing**
Contoh : Jimmy is **dancing** in the classroom.
- 7. Kicking**
Contoh : I am **kicking** the ball.
- 8. Throwing**
Contoh : I am **throwing** the ball.
- 9. Cooking**
Contoh : Mother is **cooking** a noodle.
- 10. Singing**
Contoh : Tommy is **singing** a song.
- 11. Crying**
Contoh : Tina is **crying** now.
- 12. Swimming**
Contoh : I am **swimming** in the pool.
- 13. Driving**
Contoh : I am **driving** the car.
- 14. Smiling**
Contoh : Johnny is **smiling** at me.
- 15. Knocking**
Contoh : Mr. Christo is **knocking** the door.

Post-Activities

A. Pay attention to the teacher and write the action verbs.

1. Mr. Christo is
2. Mr. Christo is
3. Mr. Christo is
4. Mr. Christo is
5. Mr. Christo is
6. Mr. Christo is
7. Mr. Christo is
8. Mr. Christo is
9. Mr. Christo is
10. Mr. Christo is

MEETING TWO
LESSON PLAN
FOR THE CONTROL GROUP

Subject	: English
Class	: Elementary school, forth year
Semester	: Three
Language component	: Vocabulary
Topic	: Action verbs in present continues tense
Time Allocated	: 1 X 30 minutes

A. Competence :

1. Basic competence

- Students are able to master the action verbs (-ing form).

2. Achievement Indicators

Students are able to:

- Students are able to memorize the action verbs of present continues tense
- Students are able to match the right action verbs to their native translations
- Students are able to fill in the blanks with the right action verbs in the “-ing” form according to the picture.

B. Learning materials

- The List of Vocabularies: Playing, eating, drinking, running, sleeping, dancing, kicking, throwing, cooking, singing, crying, swimming, driving, smiling, knocking.

C. Learning activities

A. Pre- Activity

Teacher	Students
<ul style="list-style-type: none"> • Greets the students. • Review the previous materials • The teacher gives the handout consisting of some action verbs to the students with their meanings. • The teacher speaks the action verbs and asks the students to repeat after him. • The teacher asks the students to memorize the action verbs. • Divides the students into 8 groups 	<ul style="list-style-type: none"> • Greet the teacher. • Response the teacher by giving several answer. • Achieve the handout. • Listen, pay attention to the teacher and repeat after the teacher. • memorize the action verbs. • Form a group

B. Main Activities

Teacher	Students
<ul style="list-style-type: none"> • Gives 6 action verbs to each group • Asks each group to match the right action verbs according to their native translation. • Asks the students to fill in the blanks with the action verbs according to the picture. 	<ul style="list-style-type: none"> • Received the action verbs • Match the right action verbs according to their native translation. • fill in the blanks with the action verbs according to the picture.

C. Post-Activities

Teacher	Students
<ul style="list-style-type: none">• Mention ten action verbs in Indonesian language and ask the students to write them in English.• Says Good Bye	<ul style="list-style-type: none">• Listen to the teacher and write ten action verbs in English.• Say Good Bye

D. Assessment

The teacher asks the students to fill in the blanks with the right action verbs according to the picture.

Grouping the students:

- Group 1 : playing, eating, drinking, running, sleeping, and dancing.
- Group 2 : kicking, throwing, cooking, singing, crying, and swimming.
- Group 3 : dancing, swimming, singing, kicking, sleeping, and drinking.
- Group 4 : driving, smiling, knocking, cooking, running, and singing.
- Group 5 : sleeping, crying, dancing, swimming, drinking, and kicking.
- Group 6 : driving, throwing, drinking, knocking, playing, and sleeping.
- Group 7 : crying, smiling, dancing, swimming, running, and singing.
- Group 8 : throwing, sleeping, dancing, driving, cooking, and drinking.

Student's Handout 2
(Control group)

1. **Playing : bermain**
Contoh : Kenny is **playing** video game now.
2. **Eating : makan**
Contoh : Johny is **eating** rice.
3. **Drinking : minum**
Contoh : Josephine is **drinking** milk.
4. **Running : berlari**
Contoh : They are **running** in the classroom.
5. **Sleeping : tidur**
Contoh : Santi is **sleeping** now.
6. **Dancing : menari**
Contoh : Jimmy is **dancing** in the classroom.
7. **Kicking : menendang**
Contoh : I am **kicking** the ball.
8. **Throwing : melempar**
Contoh : I am **throwing** the ball.
9. **Cooking : memasak**
Contoh : Mother is **cooking** a noodle.
10. **Singing : menyanyi**
Contoh : Tommy is **singing** a song.
11. **Crying : menagis**
Contoh : Tina is **crying** now.
12. **Swimming : berenang**
Contoh : I am **swimming** in the pool.
13. **Driving : mengendarai**
Contoh : I am **driving** the car.
14. **Smiling : tersenyum**
Contoh : Johnny is **smiling** at me.
15. **Knocking : mengetuk**
Contoh : Mr. Christo is **knocking** the door.

Main activities

A. Match the action verbs according to their native translation.

Group 1

- 1. menari :
- 2. tidur :
- 3. berlari :
- 4. minum :
- 5. makan :
- 6. bermain :

The Action verbs

playing	eating	drinking	running	sleeping	dancing
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Group 2

- 1. berenang :
- 2. menangis :
- 3. menyanyi :
- 4. memasak :
- 5. melempar :
- 6. menendang :

The Action verbs

kicking	throwing	cooking	singing	crying	swimming
---------	----------	---------	---------	--------	----------

Group 3

- 1. minum :
- 2. tidur :
- 3. menendang :
- 4. menyanyi :
- 5. berenang :
- 6. menari :

The Action verbs

dancing	swimming	singing	kicking	sleeping	drinking
---------	----------	---------	---------	----------	----------

Group 4

- 1. menyanyi :
- 2. berlari :
- 3. memasak :
- 4. mengetuk :
- 5. tersenyum :
- 6. mengendarai :

The Action verbs

driving	smiling	knocking	cooking	running	singing
---------	---------	----------	---------	---------	---------

Group 5

1. menendang :
2. minum :
3. berenang :
4. menari :
5. menangis :
6. tidur :

The Action verbs

sleeping	crying	dancing	swimming	drinking	kicking
----------	--------	---------	----------	----------	---------

Group 6

1. tidur :
2. bermain :
3. mengetuk :
4. minum :
5. melempar :
6. mengendarai :

The Action verbs

driving	throwing	drinking	knocking	playing	sleeping
---------	----------	----------	----------	---------	----------

Group 7

1. menyanyi :
2. berlari :
3. berenang :
4. menari :
5. tersenyum :
6. menangis :

The Action verbs

Crying	smiling	dancing	swimming	running	singing
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Group 8

1. minum :
2. memasak :
3. mengendarai :
4. menari :
5. tidur :
6. melempar :

The Action verbs

throwing	sleeping	dancing	driving	cooking	drinking
----------	----------	---------	---------	---------	----------

Post-Activities

A. Pay attention to the teacher and write the action verbs.

1. Mr. Christo is
2. Mr. Christo is
3. Mr. Christo is
4. Mr. Christo is
5. Mr. Christo is
6. Mr. Christo is
7. Mr. Christo is
8. Mr. Christo is
9. Mr. Christo is
10. Mr. Christo is

MEETING THREE
LESSON PLAN
FOR THE EXPERIMENTAL GROUP

Subject	: English
Class	: Elementary school, fourth year
Semester	: Three
Language component	: Vocabulary
Topic	: Action verbs in present continuous tense
Time Allocated	: 1 X 30 minutes

A. Competence :

1. Basic competence

- a. Students are able to master the action verbs (-ing form).

2. Achievement Indicators

Students are able to:

- a. Students are able to act out some action verbs.
- b. Students are able to guess or mention what is his/her friend doing.
- c. Students are able to fill in the blanks with the action verbs (-ing form) according to the picture.

B. Learning materials

The List of Vocabularies: Playing, studying, reading, running, sleeping, dancing, kicking, listening, eating, singing, crying, swimming, driving, sweeping, sitting, standing, walking, cleaning, pushing, cooking.

D. Learning activities

1. Class activities

A. Pre- Activity

Teacher	Students
<ul style="list-style-type: none">• Greets the students.• Review the previous materials by asking the students to guess what is their teacher doing (the teacher perform the previous action verbs that had been taught to the students).• The teacher gives the handout consisting of another action verbs to the students but without their meanings.• The teacher speaks and acts out the action verbs.• The teacher asks some of the students to be volunteers.• The teacher asks the volunteer to imitate him.• The teacher asks the volunteer to do the commands him/her self.• Divides the students into 8 groups	<ul style="list-style-type: none">• Greet the teacher.• Response the teacher by giving several answer. • Achieve the handout. • Listen and pay attention to the teacher• Response the invitation. • Imitate the teacher by acting out the action verbs (the volunteers).• Act out the action verb (the volunteers). • Form a group

B. Main Activities

Teacher	Students
<ul style="list-style-type: none"> • Gives 6 action verbs to each group • Asks each group to act the action verbs and asks the other group to guess what are their friends doing? • Asks the students to fill in the blanks with the action verbs according to the picture 	<ul style="list-style-type: none"> • Received the action verbs • Act the action verbs while others guess what their friends are doing. • fill in the blanks with the action verbs in the according to the picture

C. Post-Activities

Teacher	Students
<ul style="list-style-type: none"> • Asks the students to write ten action verbs which is acted by the teacher • Says Good Bye 	<ul style="list-style-type: none"> • Write ten action verbs which is acted by the teacher • Say Good Bye

D. Assessment

The teacher asks the students to fill in the blanks with the right action verbs according to the picture.

Grouping the students:

- Group 1 : cooking, dancing, playing, cleaning, studying, and reading.
- Group 2 : driving sitting, sweeping, listening, eating, and singing.
- Group 4 : running, sleeping, walking, standing, swimming, and pushing.
- Group 5 : crying, kicking, studying, cleaning, playing, and dancing.
- Group 6 : cooking, listening, sweeping, sitting, driving, and reading.
- Group 7 : walking, sleeping, running, singing, eating, and kicking.
- Group 8 : crying, pushing, swimming, standing, cooking, and dancing.

Student's Handout 3 (Experimental group)

1. **Playing**
Contoh : Kenny is **playing** video game now.
2. **Eating**
Contoh : Johny is **eating** rice.
3. **Running**
Contoh : They are **running** in the classroom.
4. **Sleeping**
Contoh : Santi is **sleeping** now.
5. **Dancing**
Contoh : Jimmy is **dancing** in the classroom.
6. **Kicking**
Contoh : I am **kicking** the ball.
7. **Cooking**
Contoh : Mother is **cooking** a noodle.
8. **Singing**
Contoh : Tommy is **singing** a song.
9. **Crying**
Contoh : Tina is **crying** now.
10. **Swimming**
Contoh : I am **swimming** in the pool.
11. **Driving**
Contoh : I am **driving** the car.
12. **Studying**
Contoh : Kenny is **studying** English now.
13. **Reading**
Contoh : Josephine is **reading** a book.
14. **Listening**
Contoh : We are **listening** to the music.
15. **Sitting**
Contoh : We are **sitting** on the chair.
16. **Standing**
Contoh : We are **standing** now.
17. **Cleaning**
Contoh : Tommy is **cleaning** the blackboard.

18. Pushing

Contoh : I am **pushing** the chair.

19. Sweeping

Contoh : Johnny is **sweeping** the floor.

20. Walking

Contoh : Mr. Christo is **walking** in the classroom.

Post-Activities

A. Pay attention to the teacher and write the action verbs.

1. Mr. Christo is
2. Mr. Christo is
3. Mr. Christo is
4. Mr. Christo is
5. Mr. Christo is
6. Mr. Christo is
7. Mr. Christo is
8. Mr. Christo is
9. Mr. Christo is
10. Mr. Christo is

MEETING THREE
LESSON PLAN
FOR THE CONTROL GROUP

Subject	: English
Class	: Elementary school, forth year
Semester	: Three
Language component	: Vocabulary
Topic	: Action verbs in present continues tense
Time Allocated	: 1 X 30 minutes

1. Competence :

A. Basic competence

- Students are able to master the action verbs (-ing form).

B. Achievement Indicators

Students are able to:

- Students are able to memorize the action verbs of present continues tense
- Students are able to match the right action verbs to their native translations
- Students are able to fill in the blanks with the right action verbs in the “-ing” form according to the picture.

2. Learning materials

- The List of Vocabularies: Playing, studying, reading, running, sleeping, dancing, kicking, listening, eating, singing, crying, swimming, driving, sweeping, sitting, standing, walking, cleaning, pushing, cooking.

3. Learning activities

A. Pre- Activity

Teacher	Students
<ul style="list-style-type: none"> • Greets the students. • Review the previous materials. • The teacher gives the handout consisting of some action verbs to the students with their meanings. • The teacher speaks the action verbs and asks the students to repeat after him. • The teacher asks the students to memorize the action verbs. • Divides the students into 8 groups 	<ul style="list-style-type: none"> • Greet the teacher. • Response the teacher by giving several answer. • Achieve the handout. • Listen, pay attention to the teacher and repeat after the teacher. • memorize the action verbs. • Form a group

B. Main Activities

Teacher	Students
<ul style="list-style-type: none"> • Gives 20 action verbs to each group • Asks each group to match the right action verbs according to their native translation. • Asks the students to fill in the blanks with the action verbs according to the picture. 	<ul style="list-style-type: none"> • Received the action verbs • Match the right action verbs according to their native translation. • fill in the blanks with the action verbs according to the picture.

C. Post-Activities

Teacher	Students
<ul style="list-style-type: none">• Mention ten action verbs in Indonesian language and ask the students to write them in English.• Says Good Bye	<ul style="list-style-type: none">• Listen to the teacher and write ten action verbs in English.• Say Good Bye

D. Assessment

The teacher asks the students to fill in the blanks with the right action verbs according to the picture.

Student's Handout 3
(Control group)

1. **Playing : bermain**
Contoh : Kenny is **playing** video game now.
2. **Eating : makan**
Contoh : Johny is **eating** rice.
3. **Running : berlari**
Contoh : They are **running** in the classroom.
4. **Sleeping : tidur**
Contoh : Santi is **sleeping** now.
5. **Dancing : menari**
Contoh : Jimmy is **dancing** in the classroom.
6. **Kicking : menendang**
Contoh : I am **kicking** the ball.
7. **Cooking : memasak**
Contoh : Mother is **cooking** a noodle.
8. **Singing : menyanyi**
Contoh : Tommy is **singing** a song.
9. **Crying : menangis**
Contoh : Tina is **crying** now.
10. **Swimming : berenang**
Contoh : I am **swimming** in the pool.
11. **Driving : mengendarai**
Contoh : I am **driving** the car.
12. **Studying : belajar**
Contoh : Kenny is **studying** English now.
13. **Reading : membaca**
Contoh : Josephine is **reading** a book.
14. **Listening : mendengarkan**
Contoh : We are **listening** to the music.
15. **Sitting : duduk**
Contoh : We are **sitting** on the chair.
16. **Standing : berdiri**
Contoh : We are **standing** now.
17. **Cleaning : membersihkan**
Contoh : Tommy is **cleaning** the blackboard.

18. Pushing : mendorong

Contoh : I am **pushing** the chair.

19. Sweeping : menyapu

Contoh : Johnny is **sweeping** the floor.

20. Walking : berjalan

Contoh : Mr. Christo is **walking** in the classroom.

Main activities

A. Match the action verbs according to their native translation.

All group

1. bermain :
2. belajar :
3. membaca :
4. berlari :
5. tidur :
6. menari :
7. menendang :
8. mendengarkan :
9. makan :
10. menyanyi :
11. menangis :
12. berenang :
13. mengendarai :
14. menyapu :
15. duduk :
16. berdiri :
17. berjalan :
18. membersihkan :
19. mendorong :
20. memasak :

The Action verbs

playing	studying	reading	running	sleeping
dancing	kicking	listening	eating	singing
crying	swimming	driving	sweeping	sitting
standing	walking	cleaning	pushing	cooking

Post-Activities

A. Pay attention to the teacher and write the action verbs.

1. Mr. Christo is
2. Mr. Christo is
3. Mr. Christo is
4. Mr. Christo is
5. Mr. Christo is
6. Mr. Christo is
7. Mr. Christo is
8. Mr. Christo is
9. Mr. Christo is
10. Mr. Christo is

APPENDIX 6

The Pre-test Score

no	IV A (x)	x^2	IV B (x)	x^2
1	55	3025	95	9025
2	90	8100	80	6400
3	90	8100	35	1225
4	85	7225	85	7225
5	85	7225	85	7225
6	80	6400	85	7225
7	80	6400	80	6400
8	80	6400	80	6400
9	40	1600	60	3600
10	70	4900	75	5625
11	70	4900	40	1600
12	70	4900	75	5625
13	65	4225	40	1600
14	65	4225	60	3600
15	60	3600	65	4225
16	30	900	60	3600
17	60	3600	40	1600
18	60	3600	30	900
19	60	3600	55	3025
20	60	3600	55	3025
21	55	3025	55	3025
22	55	3025	45	2025
23	45	2025	55	3025
24	50	2500	60	3600
25	65	4225	45	2025
26	45	2025	45	2025
27	40	1600	40	1600
28	45	2025	40	1600
29	45	2025	45	2025
30	70	4900	40	1600
31	45	2025	40	1600
32	50	2500	40	1600
33	40	1600	35	1225
34	35	1225	50	2500
35	35	1225	30	900
36	35	1225	30	900
37	55	3025	35	1225
38	30	900	25	625
39	25	625	25	625
40	25	625	20	400
41	60	3600	40	1600
42	20	400	65	4225
43	15	225	35	1225
total	2330	143100	2220	130350
n	43		43	
mean	54,42		51,63	

The Post-Test Score

no	IV A (x)	x^2	IV B (x)	x^2
1	80	6400	85	7225
2	55	3025	90	8100
3	70	4900	95	9025
4	80	6400	80	6400
5	80	6400	80	6400
6	60	3600	85	7225
7	75	5625	80	6400
8	85	7225	100	10000
9	75	5625	85	7225
10	70	4900	75	5625
11	70	4900	90	8100
12	70	4900	75	5625
13	75	5625	70	4900
14	50	2500	80	6400
15	70	4900	85	7225
16	75	5625	60	3600
17	70	4900	80	6400
18	40	1600	80	6400
19	75	5625	60	3600
20	50	2500	80	6400
21	40	1600	80	6400
22	60	3600	85	7225
23	85	7225	55	3025
24	70	4900	90	8100
25	50	2500	75	5625
26	80	6400	70	4900
27	85	7225	80	6400
28	55	3025	75	5625
29	90	8100	70	4900
30	65	4225	50	2500
31	70	4900	60	3600
32	35	1225	40	1600
33	50	2500	85	7225
34	50	2500	80	6400
35	55	3025	75	5625
36	60	3600	80	6400
37	30	900	75	5625
38	45	2025	45	2025
39	50	2500	50	2500
40	35	1225	45	2025
41	50	2500	55	3025
42	55	3025	50	2500
43	40	1600	60	3600
total	2680	177500	3145	239125
n	43		43	
mean	62,33		73,14	
SD	15,787		14,721	

Calculation for pre-test and post-test of experimental group (IV-B)

1. Ho: $\mu_A = \mu_B$: There is no significant difference in the vocabulary achievement of the students after receiving and before receiving treatments.

Ha: $\mu_A > \mu_B$: There is a significant difference in the vocabulary achievement of the students after receiving and before receiving treatments.

2. T-test where df: $n_A + n_B - 2 = 84$

t table = 1, 66

3. Calculation

3.1 Mean

$$\bar{X}_A = \frac{\sum X}{n} = 51,63 \quad ; n = 43$$

$$\bar{X}_B = \frac{\sum X}{n} = 73,14 \quad ; n = 43$$

Where,

- \bar{X}_A : The statistical mean of pre-test of IV-B
- \bar{X}_B : The statistical mean of post-test of IV-B
- Σx : the total sum of the scores in each group
- n : number of individual of each group

3.2 Standard deviation

$$SA = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 19,356 \quad SB = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 14,721$$

Where: SA : the standard deviation of pre-test of IV-B

SB : the standard deviation of post-test of IV-B

n : number of individual of each group

Σx : the total sum of the scores in each group

3.3 Calculating the standards scores (to) by using this formula.

$$t_0 = \frac{\bar{X} A - \bar{X} B}{\sqrt{\frac{(nA - 1)SD^2 A + (nB - 1)SD^2 B}{nA + nB - 2} \left(\frac{1}{nA} + \frac{1}{nB} \right)}} = 5,801$$

Where: t_0 : the standard score

$\bar{X}A$: the mean of sample A (pre-test)

$\bar{X}B$: the mean of sample B (post-test)

SA : the standard deviation of sample A

SB : the standard deviation of sample B

nA : the number of sample A

nB : the number of sample B

4. Conclusion

Because t-observation is 5,801 > t table (1, 66) so H_a is accepted. It means that there is significant difference in the vocabulary achievement of the students after receiving and before receiving treatments.

Calculation for pre-test and post-test of control group (IV-A)

1. Ho: $\mu A = \mu B$: There is no significant difference in the vocabulary achievement of the students after receiving and before receiving treatments.

Ha: $\mu A > \mu B$: There is a significant difference in the vocabulary achievement of the students after receiving and before receiving treatments.

2. T-test where df: $nA+nB-2 = 84$

t table = 1, 66

3. Calculation

3.1 Mean

$$\bar{X}_A = \frac{\sum X}{n} = 54,42 \quad ; n = 43$$

$$\bar{X}_B = \frac{\sum X}{n} = 62,33 \quad ; n = 43$$

Where, \bar{X}_A : The statistical mean of pre-test of IV-A
 \bar{X}_B : The statistical mean of post-test of IV-A
 $\sum x$: the total sum of the scores in each group
 n : number of individual of each group

3.2 Standard deviation

$$SA = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 19,371 \quad SB = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 15,787$$

Where: SA : the standard deviation of pre-test of IV-A

SB : the standard deviation of post-test of IV-A

n : number of individual of each group

Σx : the total sum of the scores in each group

3.3 Calculating the standards scores (to) by using this formula.

$$t_0 = \frac{\bar{X} A - \bar{X} B}{\sqrt{\frac{(nA - 1)SD^2 A + (nB - 1)SD^2 B}{nA + nB - 2} \left(\frac{1}{nA} + \frac{1}{nB} \right)}} = 2,075$$

Where: t_0 : the standard score

$\bar{X}A$: the mean of sample A (pre-test)

$\bar{X}B$: the mean of sample B (post-test)

SA : the standard deviation of sample A

SB : the standard deviation of sample B

nA : the number of sample A

nB : the number of sample B

4. Conclusion

Because t-observation is 2,075 > t table (1,66) so H_a is accepted. It means that there is significant difference in the vocabulary achievement of the students after receiving and before receiving treatments.

Calculation for post-test of experimental (IV-B) and control group (IV-A)

1. Ho: $\mu_A = \mu_B$: There is no significant difference between the vocabulary achievement of the students who are taught using the Total Physical Response and those who are taught using the traditional method.

Ha: $\mu_A > \mu_B$: There is significant difference between the vocabulary achievement of the students who are taught using the Total Physical Response and those who are taught using the traditional method.

2. T-test where df: $n_A+n_B-2 = 84$

t table = 1, 66

3. Calculation

3.1 Mean

$$\bar{X}_A = \frac{\sum X}{n} = 73, 14 \quad ; n = 43$$

$$\bar{X}_B = \frac{\sum X}{n} = 62, 33 \quad ; n = 43$$

Where, \bar{X}_A : The statistical mean of post-test of IV-B

\bar{X}_B : The statistical mean of post-test of IV-A

$\sum x$: the total sum of the scores in each group

n : number of individual of each group

3.2 Standard deviation

$$SA = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 14,721 \quad SB = \sqrt{\frac{n \sum X^2 - (\sum X)^2}{n(n-1)}} = 15,787$$

Where: SA : the standard deviation of post-test of IV-B

SB : the standard deviation of post-test of IV-A

n : number of individual of each group

Σx : the total sum of the scores in each group

3.3 Calculating the standards scores (to) by using this formula.

$$t_0 = \frac{\bar{X} A - \bar{X} B}{\sqrt{\frac{(nA - 1)SD^2 A + (nB - 1)SD^2 B}{nA + nB - 2} \left(\frac{1}{nA} + \frac{1}{nB} \right)}} = 3,285$$

Where: t_0 : the standard score

$\bar{X}A$: the mean of sample A (treated with the TPR method)

$\bar{X}B$: the mean of sample B (treated with the traditional method)

SA : the standard deviation of sample A

SB : the standard deviation of sample B

nA : the number of sample A

nB : the number of sample B

4. Conclusion

Because t-observation is $3,285 > \text{table}(1, 66)$ so H_a is accepted. It means that there is significant difference between the vocabulary achievement of the students who are taught using the Total Physical Response and those who are taught using the traditional method.

NAMA:

KELAS:

Students Worksheet 1

A. Fill in the blanks with action verbs in the “- ing” form according to the picture.

1. Ratna is now.



2. She is a book.



3. John is to the music.



4. Mr. Farrell is the chair.



5. Andy is the floor.



NAMA: _____
KELAS: _____

Students Worksheet 2

E. Fill in the blanks with action words in the “-ing” form according to the picture.

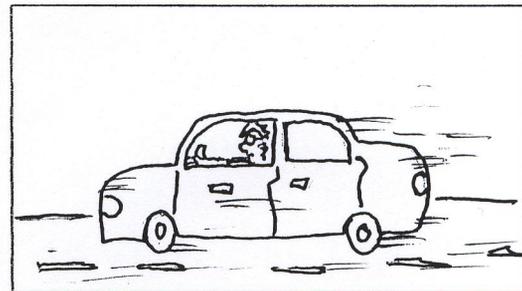
1. My mother is a noodle.



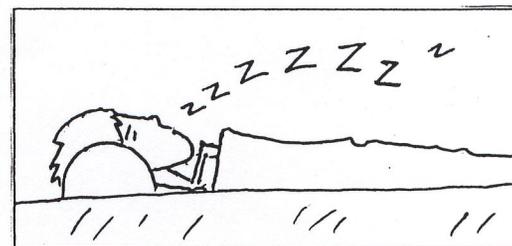
2. We are football in the garden.



3. My father is a car.



4. Mr. Farrell is now.



5. Andy is the ball.



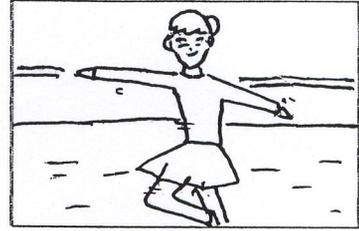
NAMA:

KELAS:

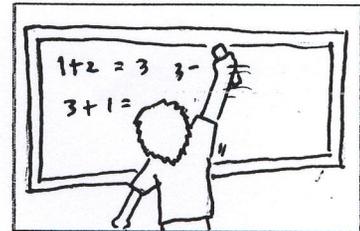
Students Worksheet 3

H. Fill in the blanks with action words in the “-ing” form according to the picture.

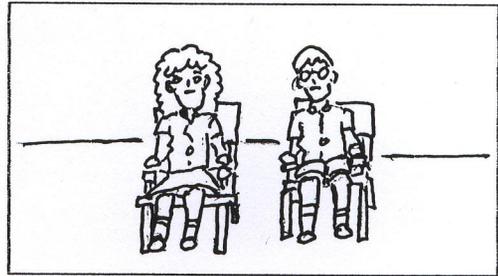
1. Mita is in the room.



2. Johnny is the black board.



3. They are on the chair.



4. Kenny is the noodle.



5. The baby is now.



6. Jenny is a song.



7. Johnny is to the school.



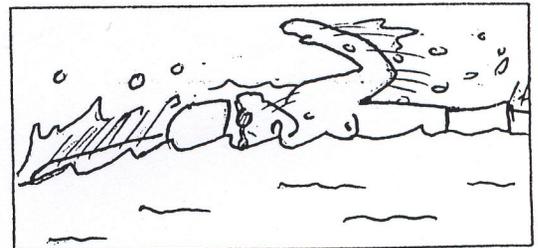
8. They are in the beach.



9. Johnny is now.



10. The man is in the pool.



Try-out test

NAMA:

SEKOLAH:

KELAS:

Vocabulary Test

A. Choose the right answer according to the picture.

1. John is ... English now.

- a. studying b. listening c. playing



2. Martha and Defy are ... to the music.

- a. reading b. writing c. listening



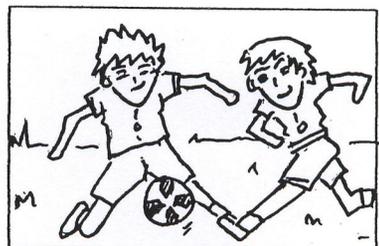
3. My mother is ... a noodle.

- a. cooking b. drinking c. playing



4. We are ... football in the garden.

- a. drawing b. playing c. throwing



5. Mila is ... a newspaper.

- a. drawing b. reading c. writing



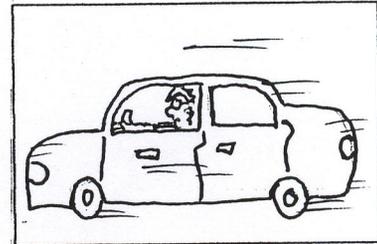
6. Father is ... the floor at present.

- a. sweeping b. walking c. standing



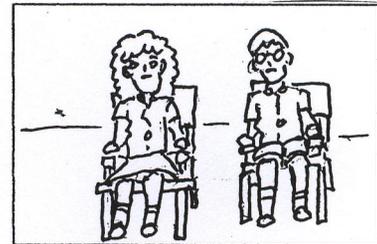
7. My father is ... a car.

- a. driving b. playing c. running



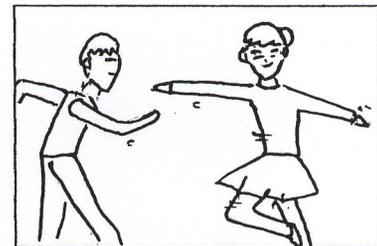
8. Timo and Della are ... on the chair.

- a. sleeping b. standing c. sitting



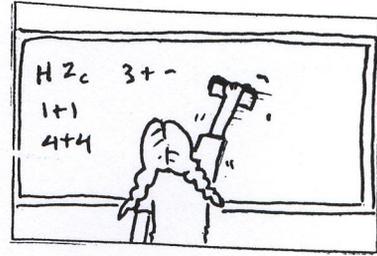
9. They are ... in the room.

- a. playing b. dancing c. running



10. Metha is ... the black board.

- a. cleaning b. drawing c. reading

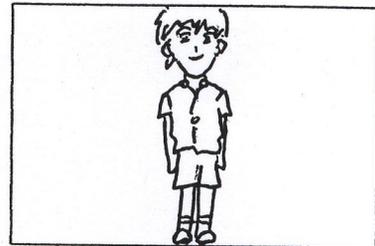


B. Fill in the blanks with action words in the “-ing” form according to the picture.

1. Mr. Martin is rice on the table.



2. Johan is now



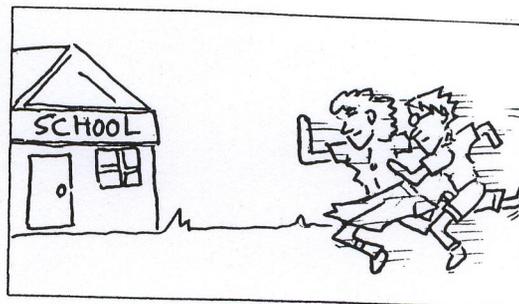
3. She is a song.



4. Timothy is milk.



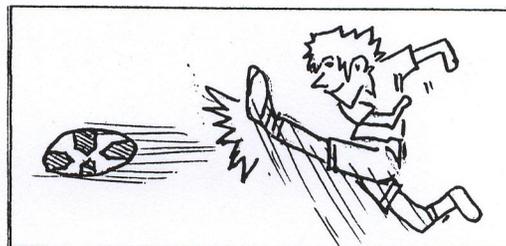
5. Mandy and Sandra are to the school.



6. Mr. Farrell is now.



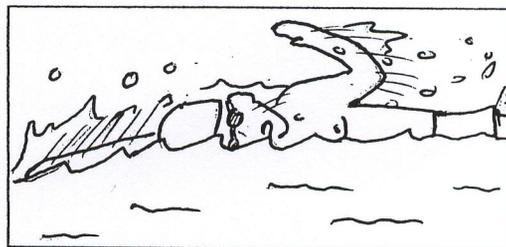
7. Tsubasa is the ball.



8. Sisca is



9. Jhony is in the pool.



10. Andy is in the garden.



***** Good Luck *****

Revision of Try-out test

Vocabulary Test

NAMA:

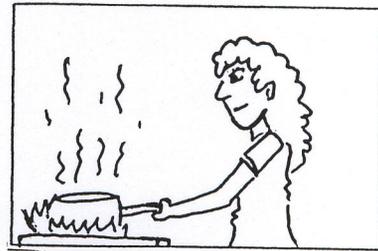
SEKOLAH:

KELAS:

A. Choose the right answer according to the picture.

1. My mother is ... a noodle.

- a. cooking b. drinking c. eating



2. They are ... in the room.

- a. playing b. dancing c. running



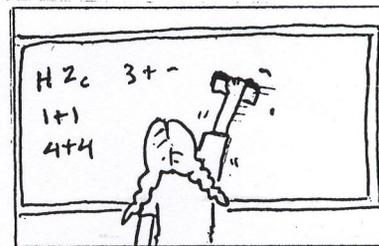
3. We are ... football in the garden.

- a. running b. playing c. throwing



4. Metha is ... the black board.

- a. cleaning b. drawing c. writing



5. John is ... English now.

- a. studying b. listening c. playing



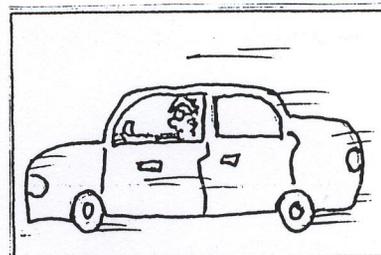
6. Mila is ... a newspaper.

- a. drawing b. reading c. writing



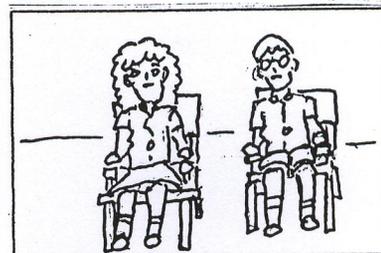
7. My father is ... a car.

- a. driving b. walking c. running



8. Timo and Della are ... on the chair.

- a. sleeping b. standing c. sitting



9. Father is ... the floor at present.

- a. sweeping b. walking c. standing



10. Martha and Defy are ... to the music.

- a. reading b. writing c. listening



B. Fill in the blanks with action words in the “-ing” form according to the picture.

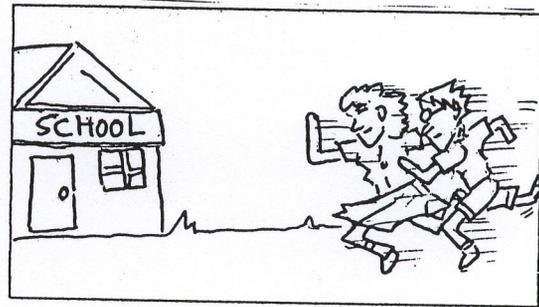
1. Mr. Martin is rice on the table.



2. She is a song.



3. Mandy and Sandra are to the school.



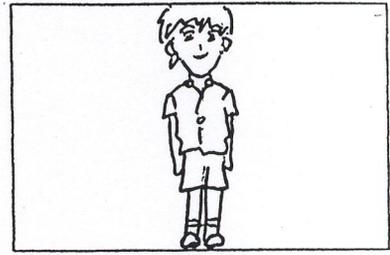
4. Mr. Farrell is now.



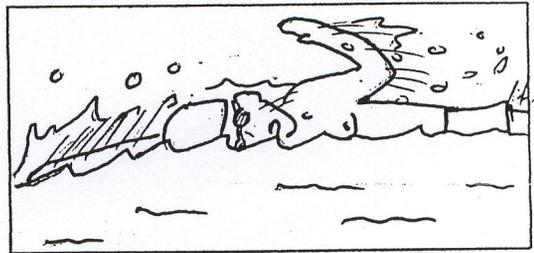
5. Andy is in the garden.



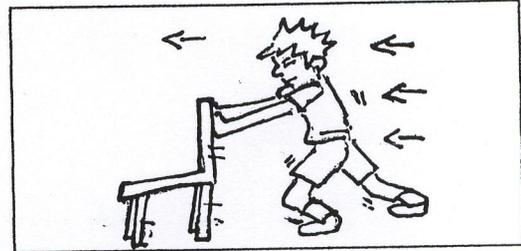
6. Johan is now.



7. Jhony is in the pool.



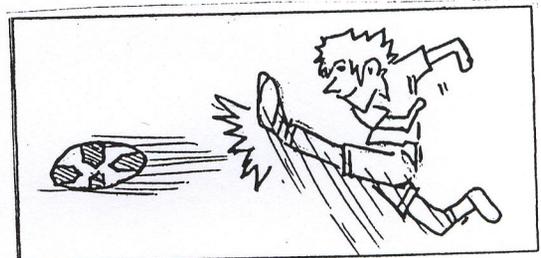
8. Timothy is the chair.



9. Sisca is now.



10. Tsubasa is the ball.



***** Good Luck *****