

FOUNDATION PHASE

Glenstantia Primary School

Grade 1 C

Report November 2007



Established 1981

Educators' Assessment:

Oral Communication
Written Communication

Thinking and Reasoning

eri	 	 	-

Name:

LITERACY

Reading
Applied Spelling

1 = Not Achieved
This indicates that the Learner is
experiencing difficulty with the concepts
and needs help to achieve that particular
outcome.

2 = Partially Achieved

This indicates that the Learner is working towards grade expectations, but has not yet required all the necessary skills for competency.

2
2
2
2
4

3

NUME	ERACY	2
1. C	Counting	3
	lumber Operations	2
	Pata Handling	1
	Measurement 1	2
	Problem Solving	1

LIFE SKILLS	1
1. Concentration	2
2. Behaviour / Co-operation	1
3. Responsibility	2
4. Work Organisation	1
5. Listening / Following instructions	1
6. Letter / number formation	1

3 = Achieved

This indicates that the Learner is fulfilling the expectations of his/her grade level and has acquired the necessary skills.

4 = Outstanding

This indicates that the Learner is working at an advanced level, i.e. he/she has achieved grade expectations and has demonstrated the ability to work at a higher level.

KDA – Motor Development	Competent	Gaining Confidence
Swimming	√	
Visual-motor memory		
Forward Roll	√ .	

GENERAL COMMENT:

Brian has not met the minimum requirements for Grade 2 He will need to repeat Grade 1 during 2008.

DAYS	ABSENT:
DAIO	ADOLIVI.

SCHOOL RE-OPENS:

9th January 2008

EDUCATOR:

PRINCIPAL:

Herctorie



PARTICIPANT QUESTIONNAIRE: All information will be treated as confidential

Physical activity, health and weight profiles of children in South African schools and families

Da	te:				
De	mographic profile of participant:				
Ge	ender: Male Female	Aş	ge in yea	ırs	
	n educator: Number of children in your care parent/guardian: Number of children (grade 1-3 onl		family _		_
Per Prin Pos	ction A For educator use only sonnel category (please underline): ncipal/Deputy/ HOD/ Educator/ LSEN/ Remedial Educator level (please underline): 01/02/03/04				
Su	bject Specialisation and experience of particip	ant:			
Inst Yea Hov Hov Are Sub	icate the highest qualification that you have obtained				
You	will be asked to rate your knowledge with regard to the	physical a	activity, he	ealth and w	eight
pro	files of children in your care at present.				
whe	ase fill in the required information in the space provided. ere applicable. Please be as honest as possible.				
ΑI	Demographic information of the children in your care	(grade 1 t	to 3 educa	itor's only	
1a b	Current grade of the children in your care Number of children in the grade	1	2	3	
c	Age of children				
2 a	How many of the children in your care grew up on a or in a: Farm				
b	Village				
3	Township If your previous answer was a, b or c at what average ag	re did the	ohildren -	novo to	
5	an urban area for the first time?	ge uiu tiie (cimuren m	iove to	



BI	Lifestyle				
4	Of all the children in your care how many do/don't attend an after care centre?	do	don't		
5	If your previous answer was don't who takes responsibility for them after school?	paren	t nanny	Family member	other
6a	Do the majority of the children in your care belong to any social or recreational facility:	yes	no		
	Please specify your previous answer e.g. scripture union, library, rangers, gym etc.				
7	How many hours of sleep (average) do the children in your consume per night?	care			
8	How many children in your care attended a nursery school?)			
9	Average amount of years spent there in years?				
CN	Nutritional/Dietary information				
10	How many full meals do the children in your care eat per day?	1	2 3	More than	three
11	How many children in your care eat breakfast every day?				

12	How often do the children eat the following types of food?							
	If any answer is unknown to you, do not respond							
	Number of times they eat the following types of food:							
	Every day	y day 2 or more times a Once a 2-3 times		2-3 times	Once a	Never		
Food Type		week	week	a month	month			
Red meat	6	5	4	3	2	1		
Poultry i.e. chicken	6	5	4	3	2	1		
Fish	6	5	4	3	2	1		
Pork	6	5.	4	3	2	1		
Deep fried food i.e. chips	.6	5	4	3	2	1		
Pap	6	5	4	3	2	1		
Brown bread	6	5	4	3	2	1		
White bread	6	5	4	3	2	1		
Fruits and vegetables	6	5	4	3	2	1		
Samp	6	5	4	3	2	1		
Mielie Rice	6	5	4	3	2	1		
Rice	6	5	4	3	2	1		
Take Away food	. 6	5	4	3	2	1		
13		or care do the majority k water during the sch		s no				



14	Average amount drunk? E.g. 250ml		
15	Do the majority of children always eat	yes	no
	enough food to fill his/her stomach?		
16	Are any of the children in your care a problem eater/ fussy/ refuses certain foods)? Please specify	yes	no

17	Please rate the children in your care's appetite in general	Good	Average	Poor
D Weight Profi				
18	How many of the children in your care appear to be either:	Thin	Normal	Overweight

E Physical	activity profile		
19	Do the children participate in any organised physical activities:	yes	no
	Please specify which activities e.g. netball, soccer, running, swimming, karate etc.?		

19a	If your previous answer was "no", please answer the following question:	
20	Reasons for not participating: (tick appropriate box)	
20a	There are no facilities such as sports grounds or gym	

20b	There is no time: Please specify e.g. parents working etc.

20c	No money to join the club or travel to	
	the sports grounds or gym	

21a	How many times do they participate in the following sports or physical						
activities?							
Number of times you participate in the following sports or activ					g sports or activ	ities	
Sport or	Every	2 or more	Once a	2-3 times a	Once a	Never	
Physical	day	times a	week	month	month		
Activity		week					
Soccer	6	5	4	3	2	1	
Cricket	6	5	4	3	2	1	

Athletics	6	5	4	3	2	1
Karate	6	5	4	3	2	1
Rugby	6	5	4	3	2	1
Basketball	6	5	4	3	2	1
Gymnasium activities	6	5	4	3	2	1
Swimming	6	5	4	3	2	1
Tennis	6	5	4	3	2	1
Others (please specify)	6	5	4	3	2	1

For **how long** (average duration of sessions) do they participate in the following organised activities?

	Time spent per session						
	Less than	30-59	1hr – 1hr 29	1 hr 30 min –	2 hrs − 2hrs	2 hrs 30min	
Sport or	30 min	minutes	minutes	1 hr 59 min	29 minutes	- 3 hrs	
Physical	·						
Activity							
Soccer	1	2	3	4	5	6	
Cricket	1	2	3	4	5	6	
Athletics	1	2	3	4	5	6	
Karate	1	2	3	4	5	6	
Rugby	1	2	3	4	5	6	
Basketball	1	2	3	4	5	6	
Gymnasium	1	2	3	4	5	6	
activities							
Swimming	1	2	3	4	5	6	
Tennis	1	2	3	4	5	6	
Others (please	1	2	3	4	5	6	
specify)							

F Leisure time activities

What is the average amount of time that the children in your care spend per day doing the following? (E.g. 45 min, 1 hour, etc.)

		Time spent per day
22	Playing with friends	
23	Playing outdoors	
24	Sitting down watching TV/DVD/Play	
	station	
25	Reading	
26	Playing games with family members	



		transportation	Time spent per day
27	By foot, walking		
28	Bicycle		
29	Motor car		
30	Taxi		
31	Bus		
32	Train		
33	Other (please specify)		

How many times do the children do the following activities at home? If any answer is unknown to you, do not respond

		Every	2 or more times per	once a	once a	never
		day	week	week	month	
34	Gardening	6	5	4	3	2
35	Waste removal	6	5	4	3	2
36	Cleaning	6	5	4	3	2
37	Washing cars	6	5	4	3	2
38	Washing dishes	6	5	4	3	2
39	Setting the table	6	5	4	3	2
40	Carrying shopping bags	6	5	4	3	2
41	Packing up and tidying	6	5	4	3	2
42	Making beds	6	5	4	3	2
43a	Average amount of time in minutes that they can perform the above mentioned activities					
43b						

T TT . 1/1	e'l	
I Health		
	How many children in your care suffe	<u>er</u>
	from the following:	
		quantities
44	Headaches	
45	Migraine	
46	Stomach cramps	
47	Constipation	
48	Diarrhoea	
49	Irritable bowl syndrome	



52	Diabetes	
53	Often physically tired	
54	Difficulty in concentration	
55	Throat infections	
56	Chronic colds/flu	
57	Allergies (please specify)	

I	Far	nilv	hist	OPV
J	rai	HILLY	11121	UIV

58		ave any of their family members suffered from any of the following diseases? ncircle the appropriate box. If any answer is unknown to you, do not respond.						
	Every day	2 or more times a week	Once a week	2-3 times a month	Once a month	Never		
Headache	6	5	4	3	2	1		
Asthma	6	5	4	3	2	1		
High Blood Pressure	6	5	4	3	2	1		
Chest pain	6	5	4	3	2	1		
Diabetes	6	5	4	3	2	1		
Stroke	. 6	5	4	3	2	1		
Lower back pain	6	5	4	3	2	1		
Coronary Heart Disease	6	5	4	3	2	1		
Cancer	6	5	4	3	2	1		
Hypertension	6	5	4	3	2	1		
Osteoarthritis	6	5	4	3	2	1		
Osteoporosis	6	5	4	3	2	1		
Weight related problems	6	5	4	3	2	1		
Others (please specify)	6	5	4	3	2	1		

K Mental health profile

	Do the children in your care show any of the following signs (please provide quantities):						
		Never	Rarely	Sometimes	Often	Always	
59	Mentally tired						
60	Anxious or worried						
61	Depressed						
62	Find it difficult to						
	relax						
63	Moody						
64	Emotional						
65	Temper tantrums						
66	Withdrawn						
67	Over sensitive						
68	Restless	•					
69	Overactive						



70	Excitable
71	Overly serious or
	sad
72	Daydreams
73	Quarrelsome
74	Finds it difficult to
	make friends
75	Shy
76	Fearful
77	Often absent from
	school

L Academic performance

	Please rate the average of the children in your care's current level of academic performance:	
78	Exceptional/outstanding	
79	Good	
80	Average	
81	Can perform better	
	Struggles to make the grade	
	Motor skills profile	
A	Do the majority of children in your care come	
	across as being: (tick appropriate box/es)	
82	Poorly coordinated	
83	Clumsy (falls easily, bumps into things)	
84	Tires easily .	
85	Little or no muscular endurance	
86	Can not keep up with general daily routine	
	- · · · · · · · · · · · · · · · · · · ·	

B Do the majority of children in your care display problems with motor planning activities: (tick appropriate box/es)

87	tying shoe laces	
88	eating with a knife and fork	
89	working with buttons	
90	dressing	
91	Not able to follow instructions	
92	Not completing tasks	
93	Attached to parents	
94	Cannot play on his own, needs attention and control	

C Please rate the children in your care with regards to:

95	Ball skills	exceptional	good	average	poor
96	Balance				
97	Swimming skills				
98	Knowledge of left and right (directionality)				
99	Bodily awareness (knowledge of body parts)				
100	Skipping rhythmically, with a skipping rope				



N	Income bracket of parents: (gross monthly), please tick.	
101	R2000 to R4000	
102	R6000 to R8000	
103	R8000 to R 10000	
104	R15000 to R20000	
105	R25000 and more	

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PARTICIPANT POST-TEST (COURSE) QUESTIONNAIRE

Name:		Date:	
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Instructions

Read each sentence. Place a tick (\checkmark) next to the number that shows how you rate your skills at the present moment (showing how you think and feel right now):

Use the following scale:

- 3 = Much need for improvement
- 2 = Moderate need for improvement
- 1 = Slight need for improvement
- 0 = No need for improvement

Put a question mark (?) rather than a rating by any skill which meaning is not clear to you

1111	wledge rating on the urban challenges to health, food and nutrition security	0	-1	2	2
1	I can define and have a clear understanding of malnutrition/underweight in children	0	1	2	3
2	I can identify the primary causes of malnutrition/underweight in children	0	1	2	3
3	I can identify the primary indicators off malnutrition/underweight	0	1	2	3
4	I can identify the complications associated with being underweight	0	1	2	3
	Knowledge rating in dealing with individual, household and community factors affecting children's lifestyle and nutritious choices	0	1	2	3
5	I can identify most of the possible nutritious choices that can be made by children	0	1	2	3
6	I can compare healthy and poor dietary habits and the effect thereof on personal health in children and their communities	0	1	2	3
7	I have enough knowledge on basic nutrition principles	0	1	2	3
8	I have enough knowledge on the important role that food and nutrition	0	1	2	3
	programmes can play in support of underweight children Knowledge rating on preventative action and education in prevention of underweight in children	0	1	2	3
9	I have the knowledge to contribute in meaningful ways to:	0	1	2	3
10	Nutrition week	0	1	2	3
11	Monitoring lunch boxes	0	1	2	3
12	Monitoring the keeping of weight management journals	0	1	2	3
13	Monitoring tuck shop visits	0	1	2	3
14	Examine work sheets on relevant nutritional concepts	0	1	2	3
Kno	owledge rating on the importance of care giver well being				
15	I understand Burn out and occupation fatigue syndrome	0	1	2	3
16	I can identify the symptoms of Burn out and occupation fatigue syndrome	0	1	2	3
17	I know of the measures that can be implemented in preventing Burn out and occupation fatigue syndrome	0	1	2	3
	Knowledge rating on the important role that exercise can play in support of underweight children	0	1	2	3
18	I have a clear understanding of exercise intervention as support to underweight children	0	1	2	3
	SKILL (Ability rating when performing complex activities related to the research topic)	0	1	2	3
19	I am confident when investigating personal hygiene executed by children	0	1	2	3



	and in their home environment				
20	I can confidently execute investigative actions related to home and school	0	1	2	3
	environmental health in children and their families				
21	I can contribute in meaningful ways to:	0	1	2	3
22	Nutrition week	0	1	2	3
23	Monitoring lunch boxes	0	1	2	3
24	Monitoring the keeping of weight management journals	0	1	2	3
25	Monitoring tuck shop visits	0	1	2	3
26	Examine work sheets on relevant nutritional concepts	0	1	2	3
27	I am actively involved in movement programmes presented to underweight	0	1	2	3
	children/ in service programmes offered				
	COMPETENCE (Responsibility rating when :)	0	1	2	3
28	Examining work sheets on relevant nutritional concepts	0	1	2	3
29	Confidently presenting related nutrition concepts and measures to parents	0	1	2	3
	of underweight children				
30	I know where I can go for help / guidance / counselling	0	1	2	3



RESULTS OF THE COMPARISON OF PRE-TEST AND POST-TEST RESULTS WITHIN GROUPS OVER TIME

The following section looks at each group of children and compares their performance over time. As indicated earlier, Wilcoxon Signed Ranks tests were used to determine whether statistically significant changes occurred over time. The results of these analyses are presented in Figures 2-7.

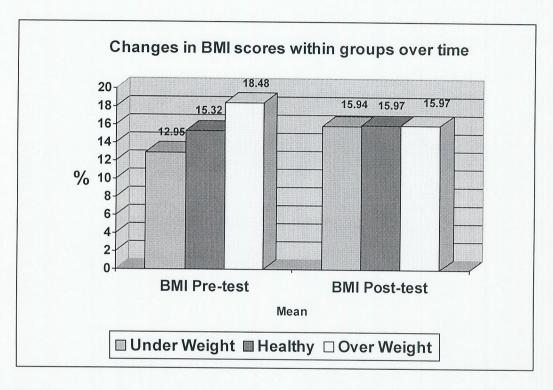


Figure 2:

The results in Figure 2 give an indication of the BMI scores of the three groups over time. Only two statistically significant changes occurred. The post-test scores of the Under weight groups were higher than the pre-test scores in the majority of cases. The opposite was true for the Over weight group where the majority of children had lower BMI scores during the post-test. No statistically significant changes took place in the BMI scores of the healthy group. These differences were significant at the 5% level of significance.

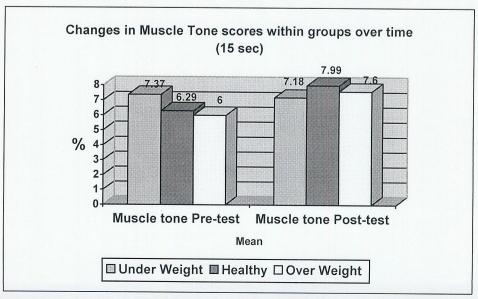




Figure 3:

Two statistically significant changes were detected in muscle tone scores. Both the Healthy and Over weight groups showed a significant increase in muscle tone scores. While the Healthy groups' change was significant at the 5% level, the Over weight groups' change was significant at the 10% level of significance. The Under weight group showed no statistically significant change in muscle tone scores.

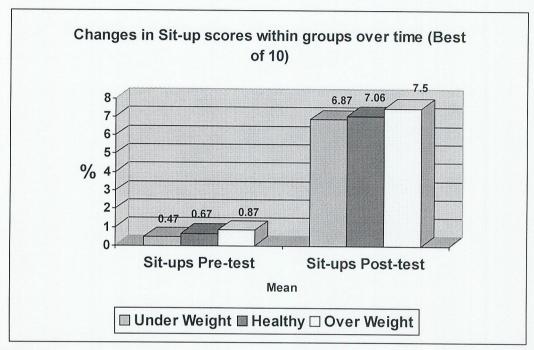


Figure 4:

All three groups showed a statistically significant increase in the number of sit-ups they were able to complete from pre-test to post-test (see figure 4). These differences were significant at the 5% level of significance.

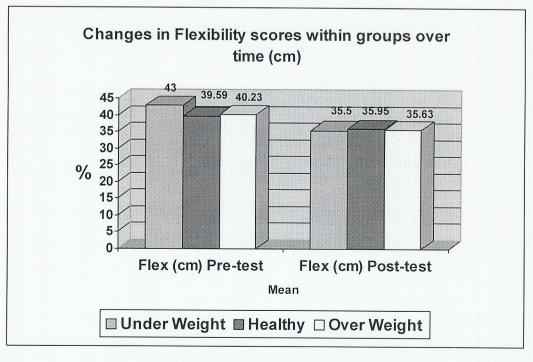




Figure 5:

All three groups showed a statistically significant decline in Flexibility scores over time. In the majority of cases, post-test scores were lower than pre-test scores. These differences were significant at the 5% level of significance.

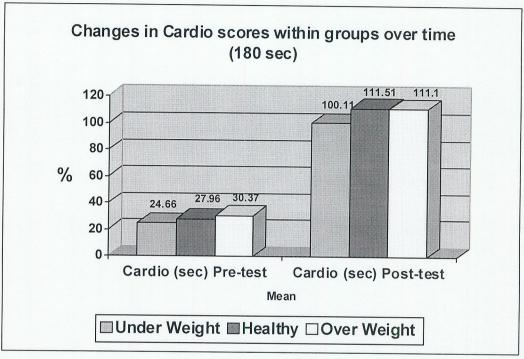


Figure 6:

The cardiovascular scores of all three groups increased significantly over time (see figure 6). These differences were significant at the 5% level of significance.

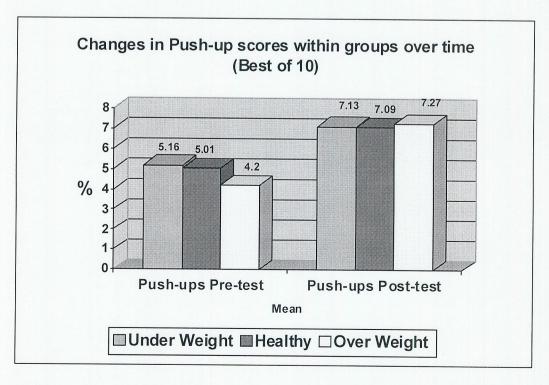




Figure 7:

Once again, the results in figure 7 indicate that all three groups showed an increase in the number of push-ups they could complete over time. These changes were significant at the 5% level of significance.

5. SUMMARY OF RESULTS

The current study consisted of three groups of children classified as Under weight, Healthy and Over Weight according to their BMI scores. In order to compare the performance of each group over time, their original classification was used to test progress, even if their BMI score during the post-test would reclassify them into a different group. This was done in order to ensure that the progress of the same group of children is compared from the pre- to the post-test. The sample consisted of 150 children classified as follows: 25.33% Under Weight, 54.67% Healthy and 20% Over Weight children.

The results of the analysis used to compare each groups performance over time can be summarised as follows. The BMI post-test scores of the Under weight groups were higher than the pre-test scores in the majority of cases. The opposite was true for the Over weight group where the majority of children had lower BMI scores during the post-test. No statistically significant changes took place in the BMI scores of the Healthy group.

Two statistically significant changes were detected in muscle tone scores. Both the Healthy and Over weight groups showed a significant increase in muscle tone scores, while the Under weight group showed no statistically significant change.

All three groups showed a statistically significant increase in the number of sit-ups and pushups they were able to complete from pre-test to post-test.

All three groups showed a statistically significant decline in Flexibility scores over time. The cardiovascular scores of all three groups increased significantly over time.



Frequencies

Frequency Tables of BMI status at the beginning and end of the experiment

BMI Recoded Pre-test

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Under Weight	38	25.3	25.3	25.3
	Healthy	82	54.7	54.7	80.0
	Over weight	30	20.0	20.0	100.0
	Total	150	100.0	100.0	

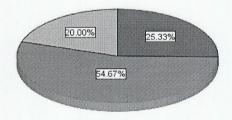
BMI recoded Post-test

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Under Weight	23	15.3	15.3	15.3
	Healthy	91	60.7	60.7	76.0
	Over weight	36	24.0	24.0	100.0
	Total	150	100.0	100.0	

Pie Chart

BMI Recoded Pre-test







Frequencies

Frequency Tables of BMI status at the beginning and end of the experiment

BMI Recoded Pre-test

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Under Weight	38	25.3	25.3	25.3
	Healthy	82	54.7	54.7	80.0
	Over weight	30	20.0	20.0	100.0
	Total	150	100.0	100.0	

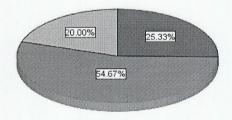
BMI recoded Post-test

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Under Weight	23	15.3	15.3	15.3
	Healthy	91	60.7	60.7	76.0
	Over weight	36	24.0	24.0	100.0
	Total	150	100.0	100.0	

Pie Chart

BMI Recoded Pre-test

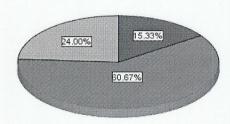






BMI recoded Post-test

∭Under Weight ∭Healthy ∭Over weight





Non-Parametric Tests to test for statistically significant changes over time within each group

Descriptive Statistics

BMI Recoded Pre-test		N	Mean	Std. Deviation	Minimum	Maximum
Under Weight	BMI Pre-test	38	12.95	0.65	11.68	13.97
	Muscle tone Pre-test	38	7.37	3.19	0.00	10.00
	Sit-ups Pre-test	38	0.47	1.39	0.00	7.00
	Flex (cm) Pre-test	38	43.00	8.68	20.00	63.00
	Cardio (sec) Pre-test	38	24.66	9.06	6.00	43.00
	Push-ups Pre-test	38	5.16	1.87	1.00	8.0
	BMI Post-test	38	15.94	1.87	12.53	21.1
	Muscle tone Post-test	38	7.18	2.64	2.00	15.0
	Sit-ups Post-test	38	6.87	3.15	1.00	10.0
	Flex (cm) Post-test	38	35.50	5.14	26.00	46.0
	Cardio (sec) Post-test	38	100.11	32.25	10.00	180.0
	Push-ups Post-test	38	7.13	2.72	1.00	10.0
Healthy	BMI Pre-test	82	15.32	0.81	14.04	16.9
	Muscle tone Pre-test	82	6.29	4.19	0.00	12.0
	Sit-ups Pre-test	82	0.67	1.84	0.00	8.0
	Flex (cm) Pre-test	82	39.59	6.43	23.00	57.0
	Cardio (sec) Pre-test	82	27.96	10.80	6.00	56.0
	Push-ups Pre-test	82	5.01	2.11	1.00	8.0
	BMI Post-test	82	15.97	2.52	12.76	26.1
	Muscle tone Post-test	82	7.99	3.38	2.00	15.0
	Sit-ups Post-test	82	7.06	3.14	1.00	10.0
	Flex (cm) Post-test	82	35.95	6.10	22.00	54.0
	Cardio (sec) Post-test	82	111.51	32.18	10.00	180.0
	Push-ups Post-test	82	7.09	2.75	1.00	10.0
Over weight	BMI Pre-test	30	18.48	1.45	17.00	24.6
	Muscle tone Pre-test	30	6.00	4.67	0.00	10.0
	Sit-ups Pre-test	30	0.87	1.76	0.00	6.0
	Flex (cm) Pre-test	30	40.23	8.72	21.00	60.0
	Cardio (sec) Pre-test	30	30.37	10.78	10.00	58.0
	Push-ups Pre-test	30	4.20	1.56	1.00	7.0
	BMI Post-test	30	15.97	2.41	12.31	25.2
	Muscle tone Post-test	30	7.60	3.16	2.00	15.0
	Sit-ups Post-test	30	7.50	2.83	1.00	10.0
	Flex (cm) Post-test	30	35.63	5.39	22.00	48.0
	Cardio (sec) Post-test	30	111.10	30.31	50.00	190.0
	Push-ups Post-test	30	7.27	2.85	2.00	10.0



Wilcoxon Signed Ranks Test

Ranks

BMI Recoded Pi	re-test		N	Mean Rank	Ranks
Under Weight	BMI Post-test - BMI Pre-	Negative Ranks	1 ^a	8.00	8.00
	test	Positive Ranks	37 ^b	19.81	733.00
		Ties	Oc		
		Total	38		
	Muscle tone Post-test -	Negative Ranks	19 ^d	15.05	286.00
	Muscle tone Pre-test	Positive Ranks	13 ^e	18.62	242.00
		Ties	6 ^f		
		Total	38		
	Sit-ups Post-test - Sit-ups	Negative Ranks	1 ⁹	3.00	3.00
	Pre-test	Positive Ranks	37 ^h	19.95	738.00
		Ties	Oi		
		Total	38		
	Flex (cm) Post-test - Flex	Negative Ranks	30 ^j	20.58	617.50
	(cm) Pre-test	Positive Ranks	7 ^k	12.21	85.50
		Ties	11		
		Total	38		
	Cardio (sec) Post-test -	Negative Ranks	1 ^m	1.00	1.00
	Cardio (sec) Pre-test	Positive Ranks	37 ⁿ	20.00	740.00
		Ties	0°		
		Total	38		
	Push-ups Post-test - Push-	Negative Ranks	9 ^p	13.78	124.00
	ups Pre-test	Positive Ranks	25 ^q	18.84	471.00
		Ties	4 ^r		
		Total	38		
Healthy	BMI Post-test - BMI Pre- test	Negative Ranks	39ª	34.95	1363.00
		Positive Ranks	43 ^b	47.44	2040.00
		Ties	0°		
		Total	82		
	Muscle tone Post-test -	Negative Ranks	28 ^d	31.38	878.50
	Muscle tone Pre-test	Positive Ranks	47 ^e	41.95	1971.50
		Ties	7 ^f		
		Total	82		
	Sit-ups Post-test - Sit-ups	Negative Ranks	4 ⁹	14.00	56.00
	Pre-test	Positive Ranks	76 ^h	41.89	3184.00
		Ties	2 ⁱ		
		Total	82		
	Flex (cm) Post-test - Flex	Negative Ranks	56 ^j	42.75	2394.00
	(cm) Pre-test	Positive Ranks	23 ^k	33.30	766.00
		Ties	31		
		Total	82		
	Cardio (sec) Post-test -	Negative Ranks	1 ^m	3.00	3.00
	Cardio (sec) Pre-test	Positive Ranks	81 ⁿ	41.98	3400.00
		Ties	0°		
		Total	82		
	Push-ups Post-test - Push-		20 ^p	29.53	590.5
	ups Pre-test	Positive Ranks	57 ^q	42.32	2412.5
		Ties	5 ^r		
		Total	82		

Over weight	BMI Post-test - BMI Pre-	Negative Ranks	26ª	16.15	420.00
	test	Positive Ranks	4 ^b	11.25	45.00
		Ties	Oc		
		Total	30		
	Muscle tone Post-test -	Negative Ranks	11 ^d	10.32	113.50
	Muscle tone Pre-test	Positive Ranks	16 ^e	16.53	264.50
		Ties	3 ^f		
		Total	30		
	Sit-ups Post-test - Sit-ups	Negative Ranks	09	.00	.00
		Positive Ranks	30 ^h	15.50	465.00
		Ties	Oi		
		Total	30		
	Flex (cm) Post-test - Flex	Negative Ranks	17 ^j	18.12	308.00
	(cm) Pre-test	Positive Ranks	11 ^k	8.91	98.00
		Ties	2 ^l		
		Total	30		
	Cardio (sec) Post-test -	Negative Ranks	0 ^m	.00	.00
	Cardio (sec) Pre-test	Positive Ranks	30 ⁿ	15.50	465.00
		Ties	0°		
		Total	30		
	Push-ups Post-test - Push-	Negative Ranks	4 ^p	10.00	40.00
	ups Pre-test	Positive Ranks	25 ^q	15.80	395.00
		Ties	1 ^r		
		Total	30		

- a. BMI Post-test < BMI Pre-test
- b. BMI Post-test > BMI Pre-test c. BMI Post-test = BMI Pre-test

- c. BMI Post-test = BMI Pre-test
 d. Muscle tone Post-test < Muscle tone Pre-test
 e. Muscle tone Post-test > Muscle tone Pre-test
 f. Muscle tone Post-test = Muscle tone Pre-test
 g. Sit-ups Post-test < Sit-ups Pre-test
 h. Sit-ups Post-test > Sit-ups Pre-test
 i. Sit-ups Post-test > Sit-ups Pre-test
 j. Flex (cm) Post-test < Flex (cm) Pre-test
 k. Flex (cm) Post-test > Flex (cm) Pre-test
 l. Flex (cm) Post-test > Flex (cm) Pre-test
 m. Cardio (sec) Post-test < Cardio (sec) Pre-test

- m. Cardio (sec) Post-test < Cardio (sec) Pre-test
- n. Cardio (sec) Post-test > Cardio (sec) Pre-test o. Cardio (sec) Post-test > Cardio (sec) Pre-test
 p. Push-ups Post-test < Push-ups Pre-test
 p. Push-ups Post-test > Push-ups Pre-test
 p. Push-ups Post-test > Push-ups Pre-test

Test Statistics^c

					A STATE OF THE PARTY OF THE PAR	No. of the last of	
					Flex (cm)		
			Muscle tone Post-			Cardio (sec) Post-	
		BMI Post-test - BMI	test - Muscle tone	Sit-ups Post-test -	Flex (cm) Pre	test - Cardio (sec)	test - Push-ups
BMI Recoded Pre-test		Pre-test	Pre-test	Sit-ups Pre-test	test	Pre-test	Pre-test
Under Weight	Z	-5.257 ^a	415 ^b	-5.350 ^a	-4.015 ^b	-5.359 ^a	-2.974°
	Asymp. Sig. (2-tailed)	.000	.678	.000	.000	.000	.003
Healthy	Z	-1.565ª	-2.899ª	-7.546 ^a	-3.982 ^b	-7.852 ^a	-4.639ª
	Asymp. Sig. (2-tailed)	.118	.004	.000	.000	.000	.000
Over weight	Z	-3.857 ^b	-1.821 ^a	-4.799 ^a	-2.393 ^b	-4.783ª	-3.849ª
	Asymp. Sig. (2-tailed)	.000	.069	.000	.017	.000	.000

- a. Based on negative ranks.
- b. Based on positive ranks.
- c. Wilcoxon Signed Ranks Test



PARTICIPANT POST-TEST (COURSE) QUESTIONNAIRE

Name:	Date:	

Instructions

Read each sentence. Place a tick (\checkmark) next to the number that shows how you rate your skills at the present moment (showing how you think and feel right now):

Use the following scale:

- 3 = Much need for improvement
- 2 = Moderate need for improvement
- 1 = Slight need for improvement
- 0 = No need for improvement

Put a question mark (?) rather than a rating by any skill which meaning is not clear to you

	weldge rating on the urban challenges to health, food and nutrition security	0	1	2	3
1	I can define and have a clear understanding of malnutrition/underweight in children	0	1	2	
2	I can identify the primary causes of malnutrition/underweight in children	0	1	2	3
3	I can identify the primary indicators off malnutrition/underweight	0	1	2	3
4	I can identify the complications associated with being underweight	0	1	2	3
	Knowledge rating in dealing with individual, household and community factors affecting children's lifestyle and nutritious choices	0	1	2	3
5	I can identify most of the possible nutritious choices that can be made by children	0	1	2	3
6	I can compare healthy and poor dietary habits and the effect thereof on personal health in children and their communities	0	1	2	3
7	I have enough knowledge on basic nutrition principles	0	1	2	3
8	I have enough knowledge on the important role that food and nutrition programmes can play in support of underweight children	0	1	2	3
	Knowledge rating on preventative action and education in prevention of underweight in children	0	1	2	3
9	I have the knowledge to contribute in meaningful ways to:	0	1	2	3
10	Nutrition week	0	1	2	3
11	Monitoring lunch boxes	0	1	2	3
12	Monitoring the keeping of weight management journals	0	1	2	3
13	Monitoring tuck shop visits	0	1	2	3
14	Examine work sheets on relevant nutritional concepts	0	1	2	3
Kno	owledge rating on the importance of care giver well being				
15	I understand Burn out and occupation fatigue syndrome	0	1	2	3
16	I can identify the symptoms of Burn out and occupation fatigue syndrome	0	1	2	3
17	I know of the measures that can be implemented in preventing Burn out and occupation fatigue syndrome	0	1	2	3
	Knowledge rating on the important role that exercise can play in support of underweight children	0	1	2	3
18	I have a clear understanding of exercise intervention as support to underweight children	0	1	2	3
	SKILL (Ability rating when performing complex activities related to the research topic)	0	1	2	3
19	I am confident when investigating personal hygiene executed by children	0	1	2	3



and in their home environment				
I can confidently execute investigative actions related to home and school	0	1	2	3
environmental health in children and their families				
I can contribute in meaningful ways to:	0	1	2	3
Nutrition week	0	1	2	3
Monitoring lunch boxes	0	1	2	3
Monitoring the keeping of weight management journals	0	1	2	3
Monitoring tuck shop visits	0	1	2	3
Examine work sheets on relevant nutritional concepts	0	1	2	3
I am actively involved in movement programmes presented to underweight	0	1	2	3
children/ in service programmes offered				
COMPETENCE (Responsibility rating when:)	0	1	2	3
Examining work sheets on relevant nutritional concepts	0	1	2	3
Confidently presenting related nutrition concepts and measures to parents	0	1	2	3
of underweight children				
I know where I can go for help / guidance / counselling	0	1	2	3
	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when:) Examining work sheets on relevant nutritional concepts Confidently presenting related nutrition concepts and measures to parents of underweight children	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when:) Examining work sheets on relevant nutritional concepts O confidently presenting related nutrition concepts and measures to parents of underweight children	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when:) Examining work sheets on relevant nutritional concepts Confidently presenting related nutrition concepts and measures to parents of underweight children	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when :) Examining work sheets on relevant nutritional concepts Confidently presenting related nutrition concepts and measures to parents of underweight children



and in their home environment				
I can confidently execute investigative actions related to home and school	0	1	2	3
environmental health in children and their families				
I can contribute in meaningful ways to:	0	1	2	3
Nutrition week	0	1	2	3
Monitoring lunch boxes	0	1	2	3
Monitoring the keeping of weight management journals	0	1	2	3
Monitoring tuck shop visits	0	1	2	3
Examine work sheets on relevant nutritional concepts	0	1	2	3
I am actively involved in movement programmes presented to underweight	0	1	2	3
children/ in service programmes offered				
COMPETENCE (Responsibility rating when:)	0	1	2	3
Examining work sheets on relevant nutritional concepts	0	1	2	3
Confidently presenting related nutrition concepts and measures to parents	0	1	2	3
of underweight children				
I know where I can go for help / guidance / counselling	0	1	2	3
	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when:) Examining work sheets on relevant nutritional concepts Confidently presenting related nutrition concepts and measures to parents of underweight children	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when:) Examining work sheets on relevant nutritional concepts O confidently presenting related nutrition concepts and measures to parents of underweight children	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when:) Examining work sheets on relevant nutritional concepts Confidently presenting related nutrition concepts and measures to parents of underweight children	I can confidently execute investigative actions related to home and school environmental health in children and their families I can contribute in meaningful ways to: Nutrition week Monitoring lunch boxes Monitoring the keeping of weight management journals Monitoring tuck shop visits Examine work sheets on relevant nutritional concepts I am actively involved in movement programmes presented to underweight children/ in service programmes offered COMPETENCE (Responsibility rating when :) Examining work sheets on relevant nutritional concepts Confidently presenting related nutrition concepts and measures to parents of underweight children





UMnyango WezeMfundo Department of Education

Lefapha la Thu Departement van Onderw

Enquiries Shadrack Phele MIRMSA

Enquiries Shadrack P

(011) 355 0285

10 September 2007

Mrs Van Dorsten Carin

93 Concerto Park

Pierre Van Ryneveld

0102

Dear Mrs Van Dorsten Carin

APPROVAL TO CONDUCT ACADEMIC RESEARCH

The Gauteng Department of Education hereby grants permission to conduct research institutions as per application.

Topic of research: "A training programme for caregivers of underweight children in South A Schools".



Degree: M.A. (Physical) education

Name of university: University of Pretoria

Upon completion of the research project the researcher is obliged to furnish the Departmente the research report (electronic or hard copy).

Wish you success in your academic pursuit.

Sincerely,

pp Shadrack Phele MIRMSA

TOM WASPE

CHIEF INFORMATION OFFICER

Gauteng Department of Education

Office of the DDG:IS & KM (CIO)



Room 1807, 111 Commissioner Street, Johannesburg, 2001

P.O.Box 7710, Johannes

Tel: (011) 355-1514/1507 Fax: (011) 355-0734/0833 E-mail: tomw@gpg.gov.za or elridar@gpg.gov.za



CONSENT FORM – Care giver

Dear	
Dear	

Currently I am an enrolled student at The University of Pretoria. I am conducting a study on *underweight children in South African schools*. The research will assist me in understanding the risk factors associated with being an underweight child; and in formulating possible preventative measures, as to possibly help these children.

The intervention process in this study will require some time and effort on your side. You will have to complete a questionnaire and participate in a training program of one hour, over a two week period (approximately 10 hours). After combining all the answers, I hope to learn more about the life style of school going children in South Africa. This will be very helpful as to make useful recommendations to the relevant authorities and organisations with regard to underweight children in our schools.

Please understand that your participation is voluntary and that you are not being forced to take part in this study. The choice of whether to participate or not, is yours alone. However, I would really appreciate it if you do share your thoughts with me. If you choose not to take part in the training programme, you will not be affected in any way whatsoever. If you agree to participate, you may withdraw from participation in the study at any time, without negative consequences.

All information will remain confidential and be treated as such.

The questionnaire will take about 20 minutes to complete. Please be as open and as honest as possible in answering the questions. Remember there are no right or wrong answers.

Once the final report of this study is completed findings will be shared and recommendations will be made to the relevant authorities and organisations. In addition, the report will be posted on the following web-site www.glenstantia.co.za

Please indicate by ticking the appropriate box whether you would be participating in this study or not: YES NO

Carin van Dorsten Tel: 012 998 6116 Fax: 012 9987252

E-mail icdev@mweb.co.za



CONSENT FORM – Learner

Dear Parent

If your child is willing to participate in this study please read, and explain the content of this letter to him/her.

Dear Learner,

I am studying this year at the University of Pretoria. I am doing a project on children's weight. The name of the project is *underweight children in South African schools*. Some of these children might be sick, because they are not eating enough healthy food. This project will help me and your teacher to understand underweight children a little bit better.

Children, if you want to help me do this project, you will be asked to come to school on a certain day; and we will do some exercises, for example sit-ups. If you do not want to do the exercises it is fine. If you do not want to do the exercises anymore after you have started, you are welcome to stop exercising and your parents will take you home. However, I would really appreciate it if you do come and help me.

The exercises will take about an hour. You need to wear your PE clothes and running shoes for the exercises. All information will be kept **private**, meaning that only people like myself, your teacher, your parents and the school will know how you have performed.

Once all the children have done their exercises you will get a report showing you how you have done.

Thank you very much for listening. If you want to participate in my project please let your parents help you fill in the tear off slip at the bottom of this letter. Do you want to ask any questions? Please reflect any relevant information here:

Thank you

Carin van Dorsten (Tel: 012 998 6116 Fax: 012 998 7252 E-mail icdev@mweb.co.za)

Tear - off slip

I (name of child participating) would like to do physical assessments/ exercises as part of a study on children with weight problems

or

prefer not to participate in this study. Please underline the preferred choice.



To: The Headmaster, H.P.J Pretorius From: Carin van Dorsten (Motor skills Educator) 17-07-2007

Re: Permission to conduct research at Glenstantia Primary school

HPJ Pretorius Headmaster Glenstantia Primary school

Tel: 012 998 6116 Fax: 012 998 7252 E-mail glenstan