

NAME..... INDEX NO.....
SCHOOL..... CANDIDATES SIGNATURE.....
DATE.....

451/2
COMPUTER STUDIES
PAPER 2
(PRACTICAL)
JULY/AUGUST 2016
TIME: 2½ HOURS

Kenya Certificate of Secondary Education
COMPUTER
PAPER 2
(PRACTICAL)
TIME: 2½ HOURS

Instructions to candidates:

- This paper has **two** questions.
- Answer **all** the questions.
- Type your name and index number at the right-hand corner of each printout.
- Write your name and index number on the CD.
- Write the Name and version of software used in each question on the answer sheet.
- Passwords should not be used on CD.
- All answers must be saved on the CD.
- Hand in all the **printouts & the CD**.

*This paper consists of 6 printed pages.
Candidates should check the question paper to ascertain that all pages are printed
and no questions are missing.*

1. MASHINA estate has various sets of houses. In the year 2016 the following table shows how the tenants paid rent for the first six months.

	A	B	C	D	E	F	G	H	I	J
1										
2		House No.	January	February	March	April	May	June	July	
3		10001	4000	4000	4000	4000	4000	4000		
4		10002	6000	6000	6000	-	-	-		
5		10003	5000	5000	5000	5000	-	-		
6		10003	9000	9000	9000	9000	9000	9000		
7		10004	6000	6000	6000	6000	6000	6000		
8		10005	4000	4000	4000	4000	4000	-		
9		10006	4000	4000	4000	4000	-	-		
10		10007	5000	5000	-	-	-	-		
11		10008	9000	9000	9000	9000	9000	-		
12		10009	5000	5000	5000	5000	5000	5000		
13		10010	6000	6000	6000	-	-	-		
14		10011	6000	6000	6000	6000	6000	-		
15		10012	6000	6000	6000	-	6000	-		
16										

- Enter the data shown above into a spreadsheet and save it as **Estate1** (10 marks)
- Give it an appropriate title on the first row, and center aligns it. (2 marks)
- Format the table by center aligning all column titles. (2 marks)
- Format all the numeric values to 2 decimal places (2 marks)
- Given that in July the rent is estimated to increase by 10%.
 - Copy the entire estate worksheet to a blank sheet and rename the new sheet as **Estate2**. (2 marks)
 - Enter 10% in cell B17. (1 mark)
 - Using an appropriate function. Calculate the rents payable in the month of July. (5 marks)
 - Get the total average rent of each month. (2 marks)
- Use a formula in Column J to get the total amount for each house. (2 marks)
- Use a formula to calculate the total rent for all the months. (2 marks)
- Apply borders to the cells in the
 - Double line for outline border. (2 marks)
 - Dotted line for vertical and horizontal inside borders. (2 marks)

- i) Based on total rent per house use an appropriate function to determine if the tenant is going to:
Label the column appropriately. (6 marks)
- i. >30,000 Get Renovation.
 - ii. >18,000 and < 30,000 Pay Promptly.
 - iii. <18,000 Evicted.
- j) Plot a Bar chart of House no. against their Total pay and save it as MASHINA Estate in a new worksheet. (6 marks)
- X axis - House No.
Y axis - Total pay.
Title - Rent Payment.
- k) Print Estate 1, Estate 2 and MASHINA estate worksheets. (4 marks)

for more free papers visit: www.freeksepastpapers.com or call: 0720502479

2. Fourth year computer students of SUKEMOSCHOOL are required to design the following publication as shown in the SAMPLE using a desktop publishing program.

All measurements are in inches

Font, borders and graphics used in the task should be similar to those in the sample publication

(a) Design the publication exactly as it appears (44 marks)

(b) Set the page layout as follows (4 marks)

- | | | |
|--------------------------|---|------------------|
| i. Paper orientation | : | Landscape |
| ii. Margin guides | : | 1 inch all round |
| iii. Paper size | : | A4 |
| iv. Set background color | : | Accent 4 |

(c) Save publication as Health Education (1 mark)

(d) Print the publication on two pages(both sides) (1 mark)

for more free papers visit: www.freekcsepastpapers.com or call: 0720502479

Why? School Health is Important



**HEALTH & EDUCATION
GO
HAND IN HAND**

School Health Program



Samantha, 12 years of age, is a student of 3rd standard in Government Primary School in a remote village Turkana County. Her parents strived for her education despite their meager resources. They had an aspiration that one day she will break free from clutches of deprivation and poverty. But she was not performing to her potentials. Samantha complained of pain in her eyes and headache was an excuse for not going to school.



It was during activity Lowdar Health Pro-class teacher that she had She referred ment Health Longeli refractive provide with s

Samantha was one of the 450 students of her county who were provided free eyeglasses during the academic year 2006-07. Similarly, 2000 such students were identified in 16 counties with weak eyesight and provided eyeglasses through School Health of NCHD.

United Nations
Educational, Scientific and
Cultural Organization

Why School Health is Important?



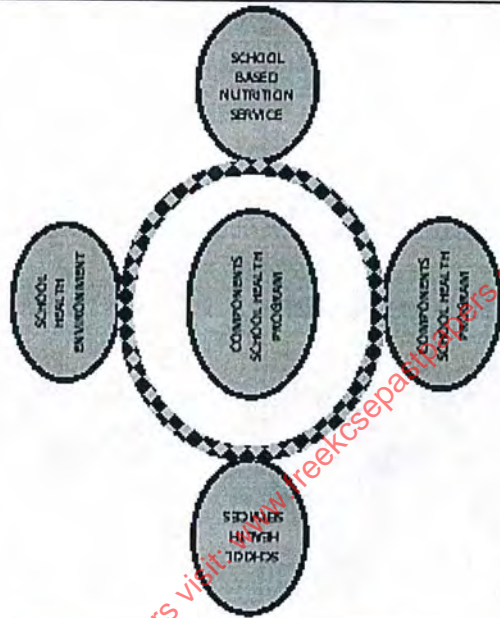
On January 6th 2008, the Kanyasulkini started the day with new dress and new shoes. Primary education was free and all that was required, was for every child regardless of age to walk to a school near to where they live.

The Inevitable Link between Health and Education

- 1. School-based nutrition and health interventions can improve academic performance.
- 2. Students' health and nutrition status affects their enrollment, retention, and absenteeism.
- 3. Education benefits health.
- 4. Education can reduce social and gender inequalities.
- 5. Health promotion for teachers benefits their health, morale, and quality of instruction.
- 6. Health promotion and disease prevention programs are cost-effective.
- 7. Treating youngsters in school can reduce disease in the community.
- 8. Multiple coordinated strategies produce a greater effect than individual strategies, but multiple strategies for any one audience must be targeted carefully.
- 9. Health education is most effective when it uses interactive methods in a skills-based approach.
- 10. Trained teachers delivering health education produce more significant outcomes in student health knowledge and skills than untrained teachers.

EFA 2000 Assessment- Thematic Study on School Health and Nutrition

Focusing Resources on Effective School Health (FRESH)



The FRESH framework is the starting point for developing an effective school health hygiene and nutrition program in a more child friendly and health promoting schools. The aim is to focus on interventions that are feasible to implement even in the most resource-poor schools.

