

# IMPACT OF FREE DAY SECONDARY EDUCATION FUNDING ON STUDENT ENROLMENT KCSE ACADEMIC ACHIEVEMENT IN GUCHA SOUTH SUB-COUNTY, KENYA

## ABSTRACT

**Aims:** To determine the impact of subsidized Free Day Secondary Education funding on student enrolment and Kenya Certificate of Secondary Education (KCSE) academic achievement in Gucha South schools.

**Study design:** Descriptive survey research design

**Place and Duration of Study:** Public day secondary schools in Gucha South Sub-County, Kisii County, Kenya. Study was conducted during January 2016 to April 2016.

**Methodology:** A descriptive survey research design was used to collect data from public day secondary schools in Gucha South Sub-County. Study population comprised of 323 subjects: 35 principals, 280 teachers, one Sub-County Director of Education and 7 Zonal Quality and Standards Officers (ZQASOs) in the Sub-County. 30% of the study population subjects were randomly sampled to give 11 principals, 84 teachers, 2 ZQASOS and one Sub-County Director of Education (SCDE) hence a total of 98 respondents. Structured questionnaires and Interview schedules were used to collect data from the sampled respondents. Qualitative data collected from interviews and open-ended questions were analysed using meanings and implications coming from respondents. Quantitative data was analysed using descriptive statistics in the form of frequency counts, means and percentages. Impact of the Free Day Secondary Education (FDSE) funding on academic achievement was measured in the KCSE grading whereby a lower to higher level reflected a positive impact.

**Results:** Student enrollment rose from an average of 117 per school in 2008 to 212 in 2012. KCSE achievement improved over the years from a mean score of 3.25 in 2008 to 4.50 in 2012.

**Conclusion:** FDSE policy is a worthy initiative for it enhanced access to education, increased student enrollment as well as improved the academic achievement of learners through a positive deviation of the mean in KCSE from lower to upper grades

*Keywords: [Secondary education, enrolment, academic achievement, student enrollment]*

## 1. INTRODUCTION

Secondary school education has higher rates of return compared to primary school education [1]. This is due to the fact that at secondary school students develop reasoning and thinking skills, learn a way of life that enables them to be valuable citizens and promote nationhood. To expand quality secondary education is therefore critical for a better educated workforce [2]. In Africa, the governments of various countries have been committed to promoting Education for All (EFA). This has led to increased demand for secondary education and hence increased budgetary allocation [3]. In Kenya, secondary education aims to prepare the learners to make positive contribution to the development of society. It also helps learners to choose with confidence as well as cope with vocational education after school. Furthermore, education helps in the acquisition of attitudes of national patriotism, self-respect, self-reliance, cooperation, integrity, adaptability and sense of purpose. [4]

In developed countries such as Australia, Britain, France and Sweden, secondary school education is financed by governments [5]. In Kenya, secondary education has grown steadily since independence in 1963, commanding a huge proportion of budgetary allocation (40 %) from the government [6]. This is attributed to the fact that education is widely recognized as key to national development [7]. An

28 increase in access and quality of education, relative to the national population is critical to social,  
29 cultural, political, religious and economic growth. Secondary education in Kenya aims at equipping  
30 learners with knowledge, skills and attitudes for development of self and the nation at large [8].  
31 Secondary education also has large effects on human capital, reducing low-skill self employment, and  
32 increasing formal employment [9].

33 The provision of education to the country's children has been and will continue to be an expensive  
34 investment to the government and individual households. This is why the Kenyan Ministry of  
35 Education aptly states that the provision of education is a collaborative effort between it, and a diverse  
36 group of partners and stakeholders including individuals, non-Governmental organisations, local  
37 authorities, faith or religious based organizations, development partners, local communities and  
38 parents [10].

39 The issue of financing education has been addressed by the Government through the evolution of  
40 education policies since the 1963 independence with the production and publication of educational  
41 reports. The Ominde Report of 1964 proposed an education system to foster national unity and  
42 development. The Gachathi Committee Report of 1976 focused on changing the structure of  
43 education. It was followed by the Mackay Report of 1981 that led to the establishment of the 8-4-4  
44 system of education. The Sessional Paper No. 6 of 1988 addressed financing of education as its  
45 running theme and was an outcome of the Kamunge Report leading to cost sharing [11].

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47 Free Day Secondary Education (FDSE) introduced by the Kenyan government in 2008 as a strategy  
48 to increase access, lower household costs and improve academic performance in public secondary  
49 schools through an annual Kenya Secondary School. In Kenya, education being centrepiece of the  
50 Government's Vision 2030, an ambitious plan has been put in place to transform the country into a  
51 middle- income country by 2030. Free Primary Education (FPE) and Free Day Secondary Education  
52 (FDSE) policies are part of this vision and have produced a dramatic response in an effort to attain  
53 the Millennium Development Goals. The Government in 2003 introduced Free Primary Education  
54 (FPE) to ensure access, retention, equity, and relevance, internal and external efficiencies within the  
55 education system [8]. This led to the increase of pupils in public primary schools from 5.9 million in  
56 December 2002 to 6.9 million in January 2003 and 7.2 million in 2004. As per the year 2007, there  
57 were 7.7 million children in primary schools [7]. This increased enrolment needed a way for these  
58 children to further their education after KCPE. Therefore, the Kenyan government in 2008 as part of  
59 the fulfilment of the campaign pledges of 2007, increased its support to public secondary schools  
60 through the Free Day Secondary Education (FDSE) policy. The policy aimed at enhancing enrolment  
61 and improving quality in secondary education. Funds disbursed to all public secondary schools were  
62 to cater for personal emoluments, activity, strengthening mathematics and sciences, medication,  
63 repair, maintenance and improvement and tuition as examination material costs. This study sought to  
64 supply enough learning materials and required infrastructure to all public secondary schools. The  
65 funds were also meant to enhance curriculum implementation, timely syllabus coverage, access to  
66 education, retention of students and academic performance.

67 In Gucha South, the KCSE performance in public day secondary schools had not been satisfactory  
68 (Table 1) before the introduction of FDSE. The poor KCSE achievement before the introduction of  
69 FDSE was attributed to lack of learning resources, student absenteeism as a result of lack of fees and  
70 poor school infrastructure.

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72 **Table 1 Gucha South Sub-County KCSE Performance for 2003- 2007**

Year	Mean
2003	3.45
2004	3.42
2005	3.61
2006	3.51
2007	3.49

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74 With the FDSE funding, the relationship between FDSE funds and students academic achievement as  
75 well as enrolment in public day secondary schools in Gucha South Sub- County has not been  
76 established, a gap that this study sought to address by examining the impact of FDSE on student  
77 enrolment and academic achievement in public day secondary schools in Gucha South Sub-County,

78 Kisii County, Kenya. Objectives and research questions for this study were to find out how FDSE  
79 affects students' enrolment and academic achievement in KCSE in public day secondary schools in  
80 Gucha South Sub-County.  
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## 83 2. MATERIAL AND METHODS

### 84 85 2.1 Location of the Study

86 The study was conducted in public day secondary schools in Gucha South Sub-County, Kisii County,  
87 Kenya. The Sub-County is located at a latitude of 0° 55' 54 S and longitude 34° 08' 11 E. It has four  
88 Educational Divisions namely; Nyamarambe, Tabaka, Moticho and Etago and seven educational  
89 Zones. These Zones are: Nyakembene, Omogenda, Suguta, Tabaka/Rigena, Mochengo, Etago and  
90 Moticho. It has 44 Public secondary Schools whereby 35 are mixed day secondary schools. Tabaka  
91 Division consists of Tabaka ward where Tabaka/Rigena zone is situated. Nyamarambe Division  
92 comprises Bogetenga and Boikanga wards with Nyakembene and Mochengo zones. In Etago  
93 division, there is Chitago/Borabu ward with Omogenda and Etago zones. Moticho division has  
94 Moticho and Getenga wards with Moticho and Suguta zones.  
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### 96 2.2 Study population, Sample Size and Sampling Techniques

97 The study population consisted of three hundred and twenty three (323) subjects made up of: 35  
98 principals, 280 teachers from the 35 Public day secondary schools in Gucha South Sub-County, one  
99 Sub-County Director of Education and 7 ZQASOs. Based on the 30% recommended sample size [12-  
100 14], 11 principals, 84 teachers, 2 ZQASOS and one Sub-County Director of Education were randomly  
101 sampled from each of the individual study population to give a total of 98 respondents (Table 2).  
102 Saturation sampling technique was used to select the Sub-County Director of Education for he was  
103 the only one.

104 **Table 2 Population, Sample Size and Percentage of the Sample Size to Population.**

Description	Population	Sample Size	Percentage(%)
Principals	35	11	30
Teachers	280	84	30
ZQASOs	7	2	30
DEO	1	1	100
TOTAL	323	98	30

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### 106 2.3 Data Collection

107 The tools for data collection in this study were questionnaires for principal and teachers, Interview  
108 schedules were administered to the SCDE, ZQASOS to gather data on the impact of FDSE policy on  
109 academic achievement in public day secondary schools. In-depth interviews were as well  
110 administered to ten teachers and four principals for collection of quality data through the process of  
111 probing. The interview schedules for the SCDE, ZQASOs, principals and teachers centred on  
112 students' enrolment as well as KCSE performance. The researcher next visited the sampled schools  
113 to individually administer the questionnaires to teachers and principals that were filled and collected  
114 on the same day to avoid falsification, losses and time wastage. The questionnaires were self-  
115 administered. The interviews were conducted in the schools, education offices of the Sub-County,  
116 ZQASOs and in schools using the developed and piloted interview schedules. The interview data was  
117 audio- recorded using a phone. The respondents were informed prior to the interview and assured  
118 that the information they gave was to be treated confidentially and used only for purposes of the  
119 study.

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## 2.4 Methods of Data Analysis

Qualitative data collected from interviews and open-ended questions were analysed using meanings and implications coming from respondent information. Responses from open ended questions and interviews included quoted words. The quoted words were put as they were expressed. The responses from interviews were transcribed and then organised into themes and sub-themes that emerged and were complimented by the data from questionnaires. Quantitative data were analysed using descriptive statistics in the form of frequency counts, means and percentages.

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## 3. RESULTS AND DISCUSSION

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### 3.1 Demographic data

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The demographic data of the respondents included gender, level of education and work experience. The study was carried out in public day secondary schools in Gucha South Sub-County, Kisii County amongst 84 teachers and 11 principals. The female teachers comprised 25% of the teachers' population and 75 % male teachers, while the female respondents were 8 % for the principals and 92 % males. There was one male Sub-County Director of Education; two ZQASOs.

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#### 3.1.1 Education Level

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**Table 3 Education Levels of the Principals, Teachers, Zonal Quality and Standards Officers and Sub County Director of Education**

Education level	Principals		Teachers		ZQASO		SCDE	
	n=11	%	n=84	%	n=2	%	n=1	%
Masters	4	36.4	14	16.7	0	0	1	100
Bachelors	7	63.6	61	72.3	1	50	0	0
Diploma	0	0	9	10.7	1	50	0	0
Total	11	100	84	100	2	100	1	100

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#### 3.1.2 Respondent's Work Experience

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Results (Table 4) show that the working experience for the principals was as follows: 18.2 % had an experience of between 1-5 years, 45.4 % had 6-10 years and 36.4 % had 11-15 years. As for the teachers: 11.9 % had a working experience of 1-5 years, 40.5 % 5-10 years, 30.9 % 11-15 years and 16.7 % of 16-20 years. The two ZQASOs and the Sub-County Director of Education had both worked for 6-10 years.

**Table 4 Work experience of respondents**

Work Experience	Principals		Teachers		ZQASO		SCDE	
	n=11	%	n=84	%	n=2	%	n=1	%

16- 20 Years	0	0	14	16.7	0	0	0	0
11- 15 Years	4	36.4	26	30.9	0	0	0	0
6 -10 Years	5	45.4	34	40.5	2	100	1	100
1 - 5 Years	2	18.2	10	11.9	0	0	0	0

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160 The data in Table 4 show that a majority of the principals that is 45.4% had a working experience of  
 161 over six years. This meant that they had a vast experience on management of schools that helped in  
 162 the administration of the schools. The greater percentage of the teachers that is 40.5 percent had a  
 163 teaching experience of over six years. The SCDE and the ZQASOs both had a working experience of  
 164 6 to 10 years. This experience enabled the respondents to have the ability to give credible responses.

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### 166 3.2 School Enrolment

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#### 168 3.2.1 Student enrolment in the Schools

169 The study aimed at presenting the enrolment in the schools for the period before and after the  
 170 introduction of FDSE policy. Table 5 shows the enrolment trends of students between the years 2008  
 171 to 2012 in the schools.

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174 **Table 5 Number of Students Enrolled in the Eleven Schools (2008-2012)**

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School	2008	2009	2010	2011	2012
A	189	247	360	400	419
B	94	109	110	127	129
C	110	142	165	189	194
D	99	120	139	164	178
E	130	148	194	200	209
F	89	101	130	149	151
G	143	183	207	229	210
H	115	148	188	210	213
I	90	138	160	193	198
J	110	128	148	162	158

K	120	180	235	280	280
Total	1289	1644	2036	2303	2339
Average	117	149	185	209	212

176 Table 5 shows that the average number of students in the sampled schools increased steadily from  
 177 117 in the year 2008 to 212 in the year 2012. The total enrolment for sampled schools rose from 1289  
 178 in 2008 to 1644 in 2009, 2036 in 2010, 2303 in 2011 and 2339 in 2012. This shows that the schools  
 179 recorded improved enrolment after the introduction of FDSE policy. This is commendable in that more  
 180 students had access to secondary education in Gucha South Sub-County. The increased enrolment  
 181 had an effect as the Government capitation to schools also went higher which enabled the schools to  
 182 procure more learning materials, improved physical facilities which had a bearing on KCSE  
 183 achievement.

### 184 3.2.2 Number of Students in Class

185 The study also asked the teachers to indicate the number of students in each of the classes they  
 186 taught. Table 6 shows the responses of the teachers in regard to students in their classes.

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188 **Table 6 Number of Students in a Class (2012)**

No. of Students	FI		FII		FIII		FIV	
		%		%		%		%
1-20	00	00	00	00	00	00	00	00
21-30	00	00	00	00	00	00	05	06
31-40	24	28.6	25	29.8	20	23.8	16	19
41-50	42	50	44	52.4	45	53.6	45	53.6
Over 50	18	21.4	15	17.8	19	22.6	18	21.4
Total	84	100	84	100	84	100	84	100

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190 Table 6 shows that in form four, 6 % of the teachers attended to classes of between 21-30  
 191 students, 19 % of the teachers attended to between 31- 40 students in class, 53.6 % attended to  
 192 class sizes of between 41-50 students while 21.4 % of the teachers attended to class sizes of over 50  
 193 students. In form three, 23.8 % of teachers attended to between 31- 40 students in class, 53.6 %  
 194 attended to class sizes of between 41-50 students while 22.6 % of the teachers attended to classes of  
 195 over 50 students. In form two, 29.8 % of teachers attended to between 31- 40 students in class, 52.4  
 196 % attended to class sizes of between 41- 50 students while 17.8 % of the teachers attended to  
 197 classes of over 50 students. In form one, 28.6 % of teachers attended to 31- 40 students in class, 50  
 198 % attended to class sizes of between 41- 50 while 21.4 % of the teachers attended to classes of over  
 199 50 students. There is an indication from the data that 73.2 % of the teachers had students in their  
 200 classrooms of over forty meaning that the classrooms had the required number due to FDSE policy.

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### 203 3.3 Learner Academic Achievement

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#### 205 3.3.1 Frequency of internal Examinations

206 The researcher sought from the principals the frequency of administering internal examinations after  
 207 the introduction of FDSE funds. Table 7 shows the frequency with which the internal examinations  
 208 were administered.

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210 **Table 7 Frequency of administering Internal Examinations**

Frequency of internal exams	No of Principals(n=11)	Percentage
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Thrice a term	6	54.5
Twice a term	4	36.4
Once a term	1	9.1
Yearly	0	0
Total	11	100

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212 Table 7 shows that 54.5 % of the principals indicated that their schools did evaluation examinations  
213 three times a term, 36.4 % of them had their schools examinations twice a term and 9.1 % once a  
214 term. This indicated that most of the schools did two or more examinations in a term thus enhancing  
215 KCSE academic achievement.

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217 **3.3.2 KCSE Performance**

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219 The study also sought to establish the effect of FDSE on KCSE academic achievement. The  
220 principals were to indicate if the introduction of FDSE policy had led to improved KCSE performance  
221 in their schools. Table 8 shows the response of the principals.

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223 **Table 8 KCSE Performance**

Improved KCSE Performance	No. of principals (n=11)	Percentage
Yes	9	81.8
No	2	18.2

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225 Table 8 shows that 81.8 % of the principals indicated that their school KCSE means had  
226 Improved with the introduction of FDSE policy while 18.2 % indicated that their school results had not  
227 improved. Thus for most of the schools, FDSE policy led to improved KCSE results. For the principals,  
228 whose KCSE performance had not improved attributed it the large number of students in class, staff  
229 shortage as well as poor syllabus coverage.

230 The principals were also to indicate KCSE performance for their schools from 2008-2012 as shown in  
231 Table 9

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233 **Table 9 School KCSE Performance from 2008-2012**

School	Mean score				
	2008	2009	2010	2011	2012
A	3.636	4.712	4.846	4.859	4.895
B	3.259	4.145	4.894	5.22	5.894
C	3.457	4.647	4.814	4.902	5.45
D	3.913	4.392	4.549	4.710	4.78
E	3.107	4.0	4.34	4.849	5.15
F	3.56	3.871	3.971	4.014	4.38
G	2.772	2.806	3.44	3.889	4.034
H	3.625	3.653	3.563	3.712	4.023
I	2.71	3.286	3.677	3.776	4.01
J	3.001	3.071	3.158	3.178	3.326
K	2.714	3.154	3.156	3.241	3.582
<b>Average</b>	3.250	3.794	4.037	4.214	4.502

234 Table 9 shows that the performance of the sampled public day schools in KCSE improved from an  
235 average of 3.25 in 2008 to 3.794 in 2009, 4.037 in 2010, 4.214 in 2011 and 4.502 in 2012. From these  
236 findings it is clear that the performance in public day secondary schools improved with the introduction

237 of FDSE policy. Hence FDSE had a positive impact on academic achievement in public day  
238 secondary schools in Gucha South Sub-County.  
239 Most of the principals, 63.6 % rated FDSE funding for examinations to be adequate for the purchase of  
240 stationery for examinations, laboratory chemicals and equipment, revision materials and examination  
241 preparation equipments. Some principals (36.4 %) however, felt the funds were not adequate and  
242 resorted to demanding for duplicating papers from students for examinations thus administering fewer  
243 examinations and few item examinations. The reduction of student absenteeism had led to full  
244 classrooms and as one teacher put it, "we no longer have to adjourn lessons because half of the class  
245 has been sent home to collect school fees". Thus for majority of principals the FDSE funds provided  
246 adequate examination materials for use by teachers in the administration of internal examinations.  
247 Consequently, there was an improved KCSE performance  
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## 250 Discussion

251 Education in most developed countries beyond the compulsory level is financed in part and  
252 sometimes wholly by the government [15]. Secondary school education is vital for national  
253 development and various stakeholders do recognize quality education as a pathway to achieving  
254 desirable lifestyles for all people [16]. The implementation of the FDSE policy requires adequate skills  
255 and experience to cope with its rising demand for the management and teachers who implement the  
256 curriculum. The skills are attained from the training the relevant personnel. Most principals had  
257 bachelors and master degrees and the one SCDE had a master degree in education. The knowledge  
258 and skills that the respondents possessed enabled them to ensure that the policy of FDSE was ineptly  
259 implemented in the schools to attain the targets that were set. Courses undertaken in colleges and  
260 universities gave the respondents the desirable technical, human and conceptual skills to analyse and  
261 diagnose complicated situations for the smooth operation of the policy. **From these findings, FDSE  
262 fund need to be doubled and disbursed promptly. In Ugenya sub-county there is need to increase  
263 investment in physical and learning resources, teaching staff, undertake routine external audit,  
264 enhance Information Technology integration to improve on communication and inservicing of  
265 principals in strategic management practices to instill creativity for proper government strategy  
266 implementation.**

267 Basically, when there is no overcrowding in class as a result of large numbers of students, there is  
268 active participation and a positive teaching morale is enhanced and therefore quality teaching.  
269 However, it was indicated that an average of 20.8 % of the teachers handle classes of over 50  
270 students way above the recommended number of 40 per teacher as directed by the Ministry of  
271 Education. Increased enrolment was attributed to the Government subsidy to secondary schools.  
272 These findings were similar to those of [17] who also indicated that enrollment to school increases  
273 wherever education costs are subsidized in schools. A study by [18] on teacher population in Kenya  
274 since the introduction of FDSE found out that the average number of teachers shortage per school  
275 increased progressively from 3.6 in 2007, 4.00 in 2008 and 4.3 in 2009. The number of teachers has  
276 remained constant over the years despite the increase in enrolment and the number of schools. It is  
277 worth noting that teaching a classroom of above 41 students complicates the teachers' teaching  
278 methodology and provision of valid tests and examinations. Before the introduction of the FDSE,  
279 enrolment as well as the number of students consistently attending classes was greatly affected due  
280 to lack of adequate school fees from the parents and guardians. However, with the introduction of  
281 FDSE funding examination as well as revision materials, equipped laboratories enhanced learning  
282 and thus improved academic achievement. The reduction of student absenteeism led to full  
283 classrooms. Consequently the KCSE performance improved. It is generally agreed that the most  
284 important manifestations of schooling quality are literacy, greater cognitive abilities and better student  
285 performance in examinations [19]. Therefore, despite the shortcoming of large classes as a result of  
286 increased student enrollment with the introduction of FDSE, there was an improvement in the KCSE  
287 academic achievement.  
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## 290 4. Conclusion

291 FDSE policy is a worthy initiative for it enhanced access to education, provides physical facilities,  
292 learning resources which in return improved the academic achievement of learners through a positive  
293 deviation of the mean in KCSE from lower to upper grades. **Results from this study reinforce the need  
294 to break down strategy implementation to incorporate systematic planning cycles as well as**

295 investigate the impact of these mitigation measures on performance of such public sector-oriented  
296 strategies.  
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## DEFINITIONS

<b>Curriculum</b>	Content of an education programme.
<b>Free Day Secondary Education</b>	Waiver of all forms of tuition fees
<b>Impact</b>	The consequences of educational inputs due to FDSE.
<b>Quality Education</b>	Education that is both relevant to the learners' needs and aspirations and helps in the attainment of national goals of education.

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## ABBREVIATIONS

<b>KCSE</b>	Kenya Certificate of Secondary Education
<b>ZQASOS</b>	Zonal Quality and Standards Officers
<b>SCDE</b>	Sub-County Director of Education
<b>FDSE</b>	Free Day Secondary Education

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## APPENDICES

### APPENDIX I TEACHERS' QUESTIONNAIRE

This research is strictly for purposes of the study 'The Impact of Free Day Secondary Education funding on KCSE Academic Achievement'. Kindly provide answers to these questions as honestly as possible. Your answers will be treated confidentially. Do not indicate your name or that of your school anywhere on this questionnaire.

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#### SECTION A: BACKGROUND INFORMATION

Please tick (✓) as appropriate or fill in the spaces provided.

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1. Your gender

Male

Female

2. How old are you, in years?

between 20 – 29

between 30 – 39

between 40 – 49

over 50

3. Indicate your Professional qualification.

Master of education

Bachelor of education

Diploma in education

PGDE

Others, (please specify) \_\_\_\_\_

4. What is your teaching experience?

1-4 years  15-19 years  5-9 years  10-14 years  over 20 years

391  
392

#### SECTION B: PHYSICAL FACILITIES AND LEARNING RESOURCES

#### SECTION C: ENROLMENT AND WORK LOAD

- 393 7(a) How many students are there in each class?  
 394 [ ] 0 -20  
 395 [ ] 21 – 30  
 396 [ ] 31 - 40  
 397 [ ] 41 – 50  
 398 [ ] Over 50  
 399 (b) How many lessons do you have in a week?  
 400 [ ] 0-12  
 401 [ ] 13 – 20  
 402 [ ] 21 – 28  
 403 [ ] 29 – 36  
 404 [ ] over 36  
 405 (c) Are the classrooms overcrowded?  
 406 [ ] Yes [ ] No  
 407 (d) How do you rate your teaching work load?  
 408 [ ] Too high  
 409 [ ] High  
 410 [ ] Average [ ] Low  
 411 (e) How do you cope with the increased workload?  
 412 [ ] Use of remedial classes/long hours  
 413 [ ] Combining some streams  
 414 (f) Are examination preparation materials adequate in school?  
 415 [ ] Yes  
 416 [ ] No  
 417 8. Does the increased enrolment affect effective teaching?  
 418 [ ] Yes  
 419 [ ] No

420 **SECTION D: PERFORMANCE IN KCSE**

- 421 (b) How often do you give examinations to your students?  
 422 [ ] weekly  
 423 [ ] monthly  
 424 [ ] twice a term  
 425 [ ] once a term  
 426 Any other (Please specify) \_\_\_\_\_  
 427 (c) Are resources / materials provided for examinations enough in the school?  
 428 [ ] Yes  
 429 [ ] No  
 430 If No, what materials are inadequate?  
 431 [ ] typing or photocopying papers  
 432 [ ] writing materials  
 433 [ ] ink  
 434 [ ] laboratory chemicals / consumables  
 435 Any other, (specify) \_\_\_\_\_  
 436

437 **APPENDIX II**

438 **INTERVIEW SCHEDULE FOR SUB-COUNTY DIRECTOR OF EDUCATION**

- 439 1. For how long have you been a Sub-County Director of Education?  
 440 2. What is your Educational Qualification?  
 441 3. Have FDSE funds affected the availability of physical facilities in the public day secondary  
 442 schools?  
 443 4. How has FDSE affected the availability of learning resources in the district's public day  
 444 secondary schools?  
 445 5. How has FDSE impacted on students' enrolment in the day public secondary schools in the  
 446 Sub-County?  
 447 6. Are there enough trained teachers in the public day secondary schools commensurate to the  
 448 student enrolment?  
 449 7. How do you rate the teachers' workload in public day secondary schools in your area?  
 450 8. How has the FDSE Policy impacted in the performance of students in KCSE in public day  
 451 secondary schools in Gucha South?