

2024 EN ANALYTICS TOP 100 SENIOR HIGH SCHOOL RANKINGS FOR NATIONAL SCIENCE AND MATHS QUIZ (NSMQ)

The *EN Analytics* Top 100 Senior High School Rankings for the National Science and Maths Quiz competition is based on data from 229 senior high schools across the sixteen regions of Ghana. Our ranking is globally accepted and universally trusted by students, teachers, government institutions and the general public. It has become the gold standard and the main source of reference for students seeking admission into secondary education in Ghana.

The 2024 rankings reveal how the landscape for mathematics and science education in Ghana is shifting. The ranking model is based on a school's final position in the National Science and Maths Quiz (NSMQ) at the national level and the Category of the school. This year's methodology has been significantly updated so that any school that qualifies to the national competition is automatically included in the ranking.

This is our ranking for the top 100 schools for the National Science and Maths Quiz competition for 2024:

National Rankings

2024 RANK	2023 RANK	SCHOOL	POINTS
1	1	Presec - Legon	690
2	2	Prempeh College	620
3	3	Adisadel College	572
4	5	Mfantsipim School	515
5	4	Opoku Ware School	470
6	6	Keta SHTS (KETASCO)	462.5
7	7	St. Peter's	380
8	12	St. Augustine's College	345
9	9	Accra Academy	345
10	8	St. Thomas Aquinas SHS	344
11	11	Wesley Girls High School	330
12	10	University Practice SHS, Cape Coast	317
13	14	Ghana National College, Cape Coast	312.5
14	13	Kumasi High School	282
15	15	Achimota School	270
16	18	Tamale SHS (TAMASCO)	265
17	16	G.S.T.S, Takoradi	260
18	17	KNUST SHS	247
19	24	Koforidua Sec. Technical School	245
20	19	Mawuli School, Ho	235
21	21	Anglican SHS (KASS),Kumasi	222
22	25	Pope Johns Seminary,Koforidua	220
23	19	St. Francis Xavier Jnr. Seminary, Wa	219

23	21	Kumasi Secondary Technical School	219
25	23	Kumasi Academy	217
26	28	Osei Tutu SHS, Akropong	207.5
27	25	Chemu SHS,Tema	204
28	27	Aburi Presby SHTS	200
29	30	St. Hubert Seminary,Kumasi	180
30	28	Archbishop Porter Girls, Takoradi	172
31	30	West Africa SHS (WASS),Accra	166
32	32	St. Louis SHS, Kumasi	152
33	32	Mfantsiman Girls SHS, Saltpond	149
34	36	Ghana SHS, Koforidua (GHANASS)	145
35	32	Holy Child School, Cape Coast	140
36	37	T.I. AMASS, Kumasi	132
37	35	Ada SHS	130
37	40	St. James Serminary, Abesim	130
37	43	Swedru SHS	130
40	40	Krobo Girls, Odumase	123
41	37	Ola Girls SHS, Ho	120
41	46	Bishop Herman College, Kpando	120
43	39	Aggrey Memorial SHS, Cape Coast	119
44	43	Anlo SHS	117
45	40	New Juaben SHCS	114
46	46	Sogakope SHS	112
47	43	Takoradi SHS (TADISCO)	105
48	48	Notre Dame Serminary SHS, Navrongo	99
48	50	Sunyani SHS	99
50	48	Aburi Girls SHS	97
51	58	Armed Forces SHTS,Kumasi	96
52	65	St. John's School, Sekondi	95
52	71	Apam SHS	95
54	50	St. Charles Minor Seminary, Tamale	94
54	54	Presby SHS, Abetifi	94
54	54	Osei Kyeretwie SHS (OKESS), Kumasi	94
57	50	Bolgatanga SHS	92
58	50	Boa Amponsem SHS, Dunkwa On-Offin	90
59	54	Nifa SHS	85
59	54	St. Margaret Mary SHS, Accra	85
61	61	Wesley Grammar School, Accra	84
61	61	Abuakwa State College, Kyebi	84
63	58	Kintampo SHS	82
64	58	SDA SHS, Bekwai	80
65	61	Assin State College, Assin Bereku	79
65	65	St. John's Grammer School, Accra	79
65	65	Tepa SHS	79

68	71	Konongo-Odumase SHS	77
69	77	Awudome SHS, Tsito	76
70	61	Akwamuman SHS, Atimpoku	75
70	84	Mpraeso SHS	75
72	65	Tamale Islamic Science SHS	74
72	71	Navrongo SHS(NAVASCO)	74
74	65	T.I. AMASS, Fomena	70
74	65	Ofori Panin SHS, Kukurantumi	70
76	71	Adventist SHS, Bantama	69
76	71	Techiman SHS	69
76	77	Ghana SHS, Tamale	69
79	71	Ghanata SHS, Dodowa	65
80	77	Sonrise SHS, Ho	64
80	77	Sekondi College	64
82	77	St. mary's SHS, Accra	62
82	84	Okuapemman School, Akropong	62
84	82	Yaa Asantewaa Girls SHS, Kumasi	59
85	91	Benkum SHS, Larteh Akuapim	57
86	82	Osino Presby SHS	55
87	84	Our Lady of Mount Carmel Girls SHS, Techiman	54
88	101	Kadjebi-Asato SHS	53
88	101	Nkwatia Presby SHS	53
90	84	Northern School of Business, Tamale	52
90	84	Assin Manso SHS	52
90	94	St. Mary's Boys SHS, Takoradi	52
90	94	SIMMS SHS, Fawoade	52
94	84	Fijai SHS, Sekondi	50
94	84	Obuasi SHTS	50
96	91	Kpando SHS	49
96	94	Ashaiman SHS	49
96	94	Winneba SHS	49
99	91	Jachie Pramso SHS	45
100	106	Yilo Krobo SHS, Somanya	44



Number of Schools

229

Boys Schools



24
10.5%

Girls Schools



25
10.9%

Mixed Schools



180
78.6%

YEAR 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024

Category A

50

Category B

113

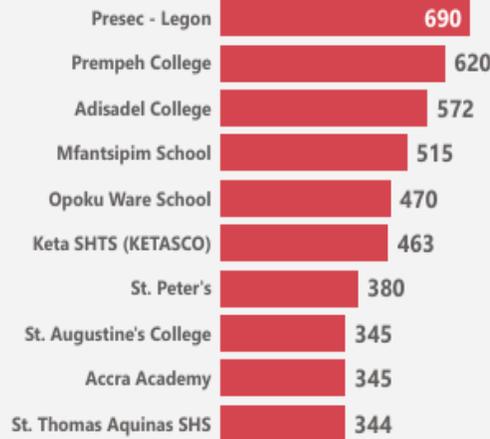
Category C

61

Category F

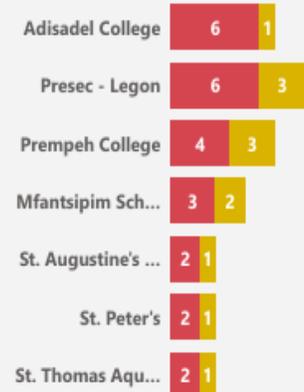
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Top 10 Schools

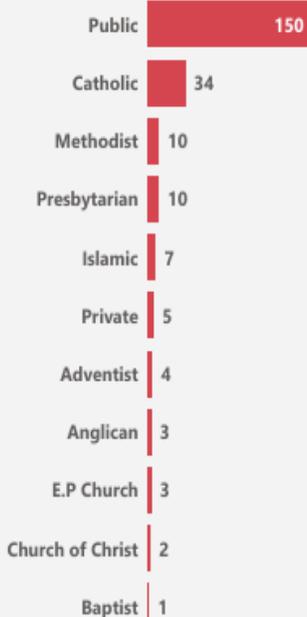


Competition Winners

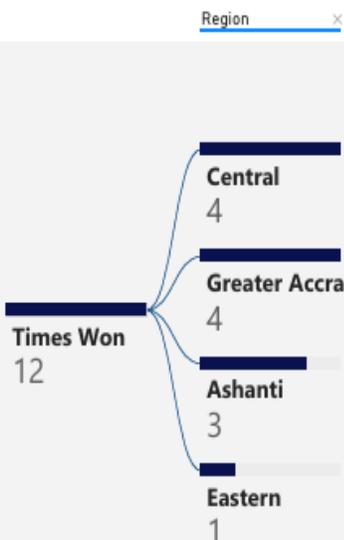
● Finalist ● Won



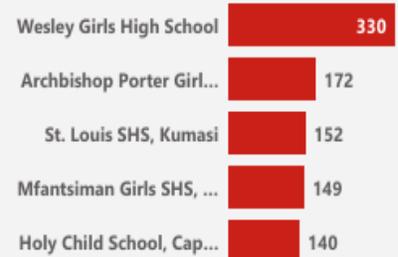
Affiliation



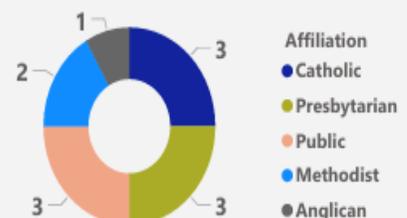
Winning by Region

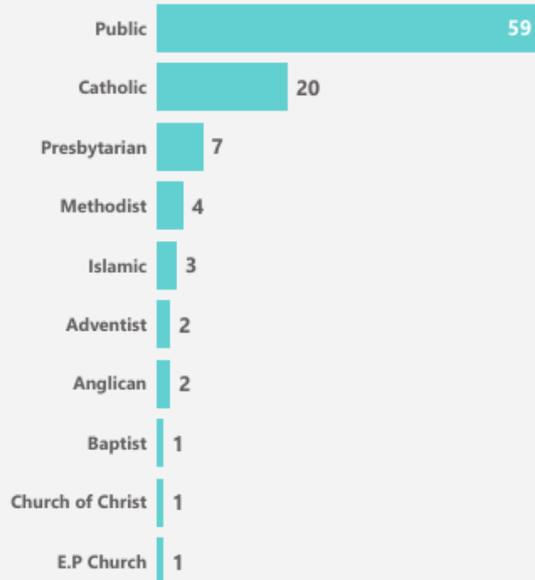
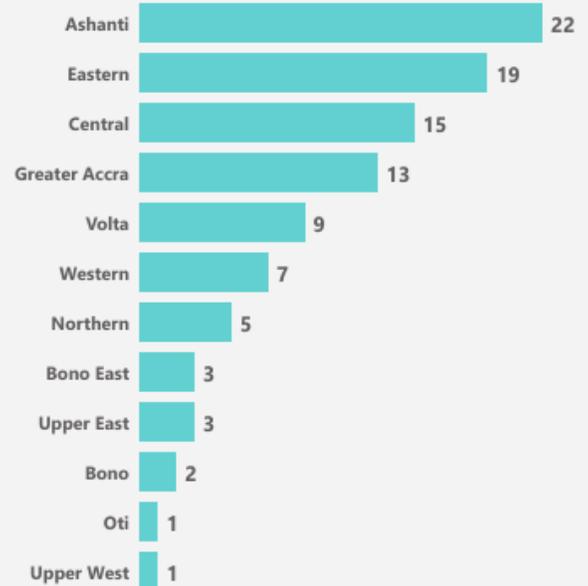


Top 5 Girls Schools



Winning by Affiliation



Top 100 Schools by Affiliation**Regional Breakdown of Schools in Top 100****5 Facts About the 2024 Rankings**

Performances for the history books: Mfantsipim's performances in the 2024 edition of the NSMQ will find its place in the annals of the competition. Their ability to entice their opponents into the riddle segment and knock them out was a novel. They knocked out Prempeh College, Presec-Legon and defeated St. Augustine's college enroute to lifting the trophy.

St. Augustine's College breaks into top 10 : St. Augustine's College broke into the top 10 for the first time since our rankings began four year ago. It is currently ranked 8th nationally and 3rd regionally.

A very good year for Central Region schools: Central region dominated this year's competition from the beginning till end. The region had 6 schools at the quarter finals stage, 4 schools at the semifinals stage, and two schools in the finals who came in first and second respectively.

Apam is the school with the most significant upward movement in the 2024 rankings. It moved 19 places up from 71st in 2023 to 52nd in 2024. Other significant movers include Mpraeso SHS (84th in 2023 to 70th in 2024), and St. John's School, Sekondi (from 65th in 2023 to 52nd in 2024)

Regional disparities: There are significant regional disparities as schools from the newly created regions lack the infrastructure and facilities to compete. Since our rankings began in 2021, no school from Ahafo, North East, Savannah and Western North has made it into the top 100 rankings.

ABOUT EN ANALYTICS SHS RANKINGS FOR 2024

The Table is based on the performance of schools in the National Science and Math Quiz(NSMQ) since 2013. A school's position on the log is determined by the **competitions points** it has amassed over the period as well as the *category of the school* assigned to it by the Ghana Education Service (GES). The total points obtained are then exponentially smoothed to place more emphasis on current years. A school's position is not determined by this year's performance alone. Instead, its position is a reflection of its cumulative performance over the last 12 years. Regional competitions do not count in determining the position of a school on the Table.

Apart from the national rankings, we have also produced regional rankings which give opportunity to schools that are ranked outside the national top 100 to be featured in the regional rankings. A school that is not in the national rankings nor the regional rankings is classified as "unranked".

Ranking Methodology

Competition Points

Beginning from this year, we have updated our methodology to ensure that all schools that qualify for the national competition get competition points and are included in the rankings. This is a departure from our previous methodology where the One-Eighth stage was the baseline for inclusion in the rankings. Since 2013, some 229 schools have qualified for the national competition. Competition points are based on the following rules:

- The competition points a school gets for a particular year is based on the **final stage** it reaches in the competition and not the points a school gets from the contest.
- The competition points used in the ranking are **those assigned by the model**, not the points a school gets in a particular contest.
- If a school fails to qualify for the national competition for a particular year, it gets zero competition points for that year.
- Any school that did not qualify for the 2024 national completion nor reached the One-Eighth stage at least once in the previous 11 editions is not ranked either at the national level or at the regional level.

How Are Competition Points Awarded

Final Position	Competition Points Awarded
Wining the competition	100
First runner up	70
Second runner up	60
Semi- Final 2nd place	45
Semi -Final 3rd place	40
Quarter Final 2nd place	25
Quarter Final 3rd place	20
One-Eighth 2 nd place	12
One-Eighth 3 rd place	9
Preliminary 2 nd place	4
Preliminary 3 rd place	2

Category Points

In addition to the competition points above, a non-category A school **may** get additional points based on the category assigned to it by the Ghana Education Service (GES). A non-category A school must advance **beyond** the One-Eighth stage before it can earn Category Points. It is therefore not automatic. Category B, C, and F schools must prove their worth by reaching at least the Quarter Final stage before they are awarded category points. The model uses category points to re-scale the competition field to compensate for lack of science infrastructure in category B, C, and F schools. Below are how category points are awarded:

How Are Category Points Awarded

Category	For Reaching Quarter Finals	For Reaching Semi Finals	For Reaching Finals
A	0	0	0
B	5	7.5	10
C & F	10	15	20

Dealing with ties

We have adopted the following conventions when ties occur:

- If two schools have the same points but one has won the competition before, or has won the competition more times than the other, then the one who has won the competition before or more times will be ranked ahead of the other even though they have the same points.
- If there is a tie and none has won the competition before, then they will be jointly ranked.

Why 2013 as the Starting Year

- The current format of the NSMQ started in 2013. There was a complete evolution of the structure of the competition in 2013. First, the number of participating schools for each contest was increased from 2 to 3. Second, the number of schools at the One-Eighth stage was increased from 40 to the current 81.

REGIONAL RANKINGS

The region-specific rankings are aimed at making the rankings more meaningful to students, teachers and stakeholders in the regions. The regional rankings include the 129 schools that are in the EN Analytics rankings but could not make it into the top 100 in the national rankings.

ASHANTI REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Prempeh College
2	2	Opoku Ware School
3	3	Kumasi High School
4	4	KNUST SHS
5	5	Anglican SHS (KASS),Kumasi
6	5	Kumasi Secondary Technical School
7	7	Kumasi Academy
8	8	Osei Tutu SHS, Akropong
9	9	St. Hubert Seminary,Kumasi
10	10	St. Louis SHS, Kumasi
11	11	T.I. AMASS, Kumasi
12	13	Armed Forces SHTS,Kumasi
13	12	Osei Kyeretwie SHS (OKESS), Kumasi
14	13	SDA SHS, Bekwai
15	15	Tepa SHS
16	17	Konongo-Odumase SHS

17	15	T.I. AMASS, Fomena
18	17	Adventist SHS, Bantama
19	19	Yaa Asantewaa Girls SHS, Kumasi
20	22	SIMMS SHS, Fawoade
21	20	Obuasi SHTS
22	21	Jachie Pramso SHS
23	22	St. Monica's SHS, Mampong
24	24	Islamic SHS, Kumasi
25	24	Aduman SHS
26	27	Amaniampong SHS, Mampong
27	26	Toase SHS
28	27	Afia Kobi Ampem Girls SHS, Trabuom
29	32	Mankranso SHS
30	27	Kumasi Wesley Girls SHS
30	27	Adu Gyamfi SHS, Jamasi
30	27	Asanteman SHS, Kumasi
33	32	St. Joseph Seminary SHS, Mampong
34		Kofi Agyei SHTS, Bampenase
35	32	SDA SHS, Agona
35	32	Agogo State College
35	32	Juaso SHTS
35	32	Antoa SHS
35	32	Adventist Girls SHS, Ntonso
35	32	Wesley SHS, Bekwai
35	32	Nsutaman Catholic SHS, Nsuta
35	32	Tweneboa Kodua SHS, Kumawu
35	32	Agogo Collins SHS
35	32	Sakafia Islamic SHS
45		Ejisuman SHS
46		Adanwomase SHS
46		Serwaa Nyarko Girls' SHS

CENTRAL REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Adisadel College
2	2	Mfantsipim School
3	5	St. Augustine's College
4	4	Wesley Girls High School
5	3	University Practice SHS, Cape Coast
6	6	Ghana National College, Cape Coast
7	7	Mfantsiman Girls SHS, Saltpond
8	7	Holy Child School, Cape Coast

9	10	Swedru SHS
10	9	Aggrey Memorial SHS, Cape Coast
11	13	Apam SHS
12	11	Boa Amponsem SHS, Dunkwa On-Offin
13	12	Assin State College, Assin Bereku
14	14	Assin Manso SHS
15	15	Winneba SHS
16	16	Edinaman SHS, Elmina
16	16	Breman Asikuma SHS
18	16	Kwanyako SHTS
19	19	T.I. AMASS, Potsin
20	20	Obiri Yeboah SHS
21	20	Oguaa SHTS
21	20	Eguafo-Abrem SHS
21	20	Mando SHTS
21	20	Academy of Christ the King, Cape Coast
21	20	T.I. AMASS, Ekumfi
26		Hope College

EASTERN REGION

2024 RANK	2023 RANK	SCHOOL
1	1	St. Peter's
2	2	Koforidua Sec. Technical School
3	3	Pope Johns Seminary, Koforidua
4	4	Aburi Presby SHTS
5	5	Ghana SHS, Koforidua (GHANASS)
6	6	Krobo Girls, Odumase
7	6	New Juaben SHCS
8	8	Aburi Girls SHS
9	9	Presby SHS, Abetifi
10	9	Nifa SHS
11	11	Abuakwa State College, Kyebi
12	15	Mpraeso SHS
12	11	Akwamuman SHS, Atimpoku
14	13	Ofori Panin SHS, Kukurantumi
15	15	Okuapemman School, Akropong
16	17	Benkum SHS, Larteh Akuapim
17	14	Osino Presby SHS
18	18	Nkwatia Presby SHS
19	20	Yilo Krobo SHS, Somanya
20	25	Adonten SHS
20	18	Oti Boateng SHS, Koforidua

22	20	Oda SHS
23	22	Presby SHS, Suhum
24	25	Oyoko Methodist SHS, Koforidua
24	22	Methodist Girls SHS, Mamfe
26	22	St. Rose's SHS, Akwatia
27	25	Saviour SHS, Osiem
27	25	Suhum SHTS
29	25	Manya Krobo SHS, New Nuaso
30	25	Asamankese SHS
30	25	Kwahu Ridge SHTS, Obo
30	25	WBM Zion SHS, Old Tafo
30	25	St. Martin's SHS, Nsawan
34		BRIGHT SHS
34		Kade SHTS
34		Kwahu Tafo Shs
37		Adukrom Presby SHTS

GREATER ACCRA

2024 RANK	2023 RANK	SCHOOL
1	1	Presec - Legon
2	3	Accra Academy
3	2	St. Thomas Aquinas SHS
4	4	Achimota School
5	5	Chemu SHS,Tema
6	6	West Africa SHS (WASS),Accra
7	7	Ada SHS
8	8	St. Margaret Mary SHS, Accra
9	9	Wesley Grammar School, Accra
10	10	St. John's Grammer School, Accra
11	11	Ghanata SHS, Dodowa
12	12	St. mary's SHS, Accra
13	13	Ashaiman SHS
14	15	Tema Methodist SHS
15	13	Odorgonno SHS, Accra
16	15	Labone SHS
17	18	Accra Girls SHS
18	17	Tema SHS
19	18	O'Reilly SHS, Tema
19	18	Accra High School
21	18	Kinbu SHTS, Accra
21	18	Our Lady of Mercy SHS, Tema
21	18	Nungua SHS, Accra

24	Fafraha Community SHS
25	Ghana-Lebanon Islamic SHS

VOLTA REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Keta SHTS (KETASCO)
2	2	Mawuli School, Ho
3	5	Bishop Herman College, Kpando
3	3	Ola Girls SHS, Ho
5	4	Anlo SHS
6	5	Sogakope SHS
7	7	Awudome SHS, Tsito
8	7	Sonrise SHS, Ho
9	9	Kpando SHS
10	10	St. Paul's SHS, Hatsukope-Denu
11	12	Zion College, Anloga
12	10	Dzodze-Penyi SHS
13	12	Adidome SHS
13	12	St. Mary's Serminary, Lolobi
15	12	Akatsi SHTS
16	17	Tsito SHS
17		Hohoe E. P. SHS
18	17	St. Catherine SHS, Agbakope
18	17	Anfoega SHS
18	17	Sokode SHTS
21		Wallahs Academy
22		E.P.C. Mawuko Girls' SHS
23		Kpedze SHS
23		Battor SHS
23		Vakpo SHS

WESTERN REGION

2024 RANK	2023 RANK	SCHOOL
1	1	G.S.T.S, Takoradi
2	2	Archbishop Porter Girls, Takoradi
3	3	Takoradi SHS (TADISCO)
4	4	St. John's School, Sekondi
5	5	Sekondi College
6	7	St. Mary's Boys SHS, Takoradi
7	6	Fijai SHS, Sekondi
8	8	Nkroful Agric SHS

8	8	Half Assini SHS
10	10	Fiaseman SHS, Tarkwa
11	10	Nsein SHS
11	10	Tarkwa SHS
13	13	Shama SHS
14	13	Bompeh SHTS, Takoradi

BONO REGION

2024 RANK	2023 RANK	SCHOOL
1	1	St. James Serminary, Abesim
2	2	Sunyani SHS
3	3	Notre Dame Girls SHS, Sunyani
4	4	Berekum SHS
4	4	Drobo SHS
6	6	Dormaa SHS
7	6	Twene Amanfo SHTS, Sunyani
7	6	Berekum Presby SHS
9		Wenchi Methodist

BONO EAST REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Kintampo SHS
2	2	Techiman SHS
3	3	Our Lady of Mount Carmel Girls SHS, Techiman
4	4	Nkoranza SHTS
5	5	Akumfi Ameyaw SHTS, Aworowa
6	5	Atebubu SHS
7		Tuobodom SHTS
7		Nafana Presby SHS

NORTHEN REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Tamale SHS (TAMASCO)
2	2	St. Charles Minor Seminary, Tamale
3	3	Tamale Islamic Science SHS
4	4	Ghana SHS, Tamale
5	5	Northern School of Business, Tamale
6	6	Zabzugu SHS
6	6	Kalpohin SHS, Tamale
8		Tolon SHS

8

Yendi SHS

UPPER EAST REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Notre Dame Serminary SHS, Navrongo
2	2	Bolgatanga SHS
3	3	Navrongo SHS(NAVASCO)
4	4	Sandema SHTS
5	5	Bolgatanga Girls SHS
6	6	Zebilla SHTS
7	6	Gowrie SHTS
7	6	Bawku SHS
9		Sirigu Integrated SHS
9		Regentropen SHS

UPPER WEST REGION

2024 RANK	2023 RANK	SCHOOL
1	1	St. Francis Xavier Jnr. Seminary, Wa
2	2	Nandom SHS
3	3	Lassie-Tuolu Senior High
3	3	Kanton SHS, Tumu
5	5	Wa SHS
6	5	St. Francis Girls SHS, Jirapa
7		Queen of Peace SHS, Nadowli

OTI REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Kadjebi-Asato SHS
2	2	Bueman SHS, Jasikan
3		Biakoye Community SHS

WESTERN NORTH REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Bibiani SHS
1	1	Asankrangwa SHS
3		Sefwi Wiawso SHS
4		St. Joseph's SHS, Sefwi Wiawso

AHAFO REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Acherensua SHS
2		Samuel Otu Presby SHS
3		Serwaa Kesse Girls' SHS

SAVANNAH REGION

2024 RANK	2023 RANK	SCHOOL
1	1	Damongo SHS

NORTH EAST

2024 RANK	2023 RANK	SCHOOL
1		Walewale SHTS

About the Author of this research

The lead researcher and the brain behind this model and rankings is Ebenezer Nimako Nyarko, the founder and CEO of EN Analytics and Consulting Limited. He is an actuarial analyst, a data scientist and a quant professional. He holds an MSc in actuarial science from the University of Leicester, UK, and an MSc in statistics from the University of Cape Coast. He is currently a PHD candidate in Finance at the University of Ghana Business School, Legon. He obtained his bachelor's degree in Mathematics from the Kwame Nkrumah University of Science and Technology (KNUST), Kumasi.

At the professional level, he holds the Diploma in Actuarial Techniques (DAT) qualification from the Institute and Faculty of Actuaries (IFoA), UK. His main areas of interest are predictive statistics, model development, data science, simulations, and pensions.

Prior to starting EN Analytics, he worked in the public sector where he performed quantitative analysis for the organisation and developed models for addressing national issues. He also served as an adjunct lecturer in actuarial science at the University of Cape Coast from 2016 to 2022.

About EN Analytics and Consulting Limited

EN Analytics and Consulting Limited is a data analytics firm based in Accra that provides training and consulting services for businesses. We help businesses structure their data and generate insight so as to make data-driven decisions. We provide training and consulting services in Power BI, Advanced Excel, Eviews, modelling, statistical analysis, research and analysis, forecasting and simulations. Our focus is to help organisations upscale the analytics and BI skills of their staff. And in so doing they can build models, improve their quantitative reporting, automate their processes, and make data more meaningful to their organisation

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