Performance Evaluation of Schools

VAB identified three primary goals of education as Learning, Competence and Citizenship. The development of a Performance Index was done with the aim of making a quantitative assessment of how well a school meets these objectives.

A direct quantification of each of the objectives is difficult; further, they are not stand alone item, but intricately interconnected. VAB, therefore, looked for an index with a set of composite measurements, **mostly** quantitative, but a few necessarily qualitative.

Performance Criteria

We accept examination results as an important measure; test scores are valued all over the world in spite of concerns whether the tests truly reflect student ability. We consider test results in two categories: percentage of pass rate and percentage of students receiving A grade (A+, A and A- combined) based on the results of two public examinations in high schools, one at the end of Grade VIII designated as the Junior Secondary Certificate (JSC) examination and the other at the end of Grade X, designated as the Secondary School Certificate (SSC) examination. VAB has a Computer Literacy program aiming at computer literacy for 100% students leading to excellence, an English language program aiming at conversational skill for 100% students leading to excellence in English language skills, and a Math Olympiad program aiming for qualification at the national level. In addition, VAB promotes participation of all students in extracurricular activities in debate, sports cultural programs and volunteering. These activities and the activities in Computer and English are promoted by Student Clubs.

The operating environment of the school and its management are also of great importance in the attainment of quality education; but they are difficult to assess and is open to bias.

VAB therefore considers five different categories in its calculation of Performance Index: Academic (divided into pass rate and A grade rate), Co-Academic (Math, English and Computer related performance), Co-curricular (debate, sports and related performance), School Environment and School Management.

Score Sheet

We list below individual items under each category. Each item is given a maximum score. This is explained below and presented in a tabular form in Table D-1.

Academic Performance: Maximum Score

- Pass Percentage – SSC: 40
- Pass Percentage – JSC: 40

Total for pass percent: 80

- Percentage of students earning A grade – SSC: 40
- Percentage of students earning A grade – JSC: 40

Total for A Grade: 80

Total for Academic Performance: 160

Co-Academic Performance: Maximum Score

- English Language Skill: 30
- Computer Skill: 30
- Math Olympiad Performance: 20

Total for Co-Academic Performance: 80

Co-Curricular Performance: Maximum Score

- Debate Performance: 30
- Football Performance: 20
- Cricket Performance: 20
- Bonus for Additional Performance (not included above): 10

Total for Co-Curricular Performance: 80

School Environment: Maximum Score

Regular Class: 2

High Attendance: 2

Morning Assembly: 2

Personal Hygiene: 2

Cleanliness: 2

Total for School Environment: 10

School Management: Maximum Score

Accountability: 2

Transparency: 2

SMC Meeting: 2

Headmaster Leadership: 2

Community Engagement: 2

Total for School Management: 10

Grand Total of Scores for all items under all five categories: 340

Out of 100, this results in a weight of 23.5 for each of Pass Percentage, A Grade percentage, Co-academic performance and Co-Curricular performance, and 3.0 for each of School environment and School management.

Rationale for Score Distribution

We give equal weight for academic (pass rate and proportion receiving A – grade) (47), and co-academic and co-curricular performance (47), because each category contributes to learning as well as to competence and character building. The scoring attempts to give due weight for inclusivity of all students by providing scores for in-class and in-school activities in addition to external competitions. The curricular score covering the concept of Quality for All and Excellence for Teams is reflected through pass rate and A grade. For co-academic and co-curricular, both team competitive achievements and in-class and in-school activities are given weight – to meet the same principle. Fairly low weight is given for School Environment and School Management, because of difficulties in having quantitative assessment for them. However, we include them to reflect our conviction that they are important in the overall performance of the school. This is also to bring to focus of the school the importance of these two categories.

Table D- 1 gives the blank score sheet showing the distribution of scores for different levels of performance in different items of measurement.

Table D - 1: Blank Score Sheet – Distribution of Score

Item	Performance Based Score Distribution					
Pass Percent JSC-Max Score 40	100%	90%	80%	70%	60%	50%
Score	**40**	**35**	**30**	**25**	**15**	**5**
Pass Percent, SSC- Max Score 40	100%	90%	80%	70%	60%	50%
Score	**40**	**35**	**30**	**25**	**15**	**5**
% A Grade, JSC- Max Score 40	80%	70%	60%	50%	40%	30%
Score	**40**	**35**	**30**	**25**	**15**	**5**
% A Grade, SSC- MaxScore 40	80%	70%	60%	50%	40%	30%
Score	**40**	**35**	**30**	**25**	**15**	**5**
Math Olympiad - Max Score 20	National Qualified	Regional Qualified	District Qualified	District Attendance	Attendance in VAB Training	
Score	**20**	**15**	**10**	**6**	**4**	
English Skill-Max Score 10	Inter-cluster Champion	Inter-cluster Runner up	Inter-school Champion	Inter-school Runner up	Inter-school Participation	
Score	**10**	**8**	**6**	**5**	**3**	
English Literacy-Max Score 20	100%	90%	80%	70%	60%	40%
Score	**20**	**15**	**10**	**6**	**4**	**2**
Computer Skill-Max Score 10	Inter-cluster Champion	Inter-cluster Runner up	Inter-school Champion	Inter-school Runner up	Inter-school Participation	
Score	**10**	**8**	**6**	**5**	**3**	
Computer Literacy-Max Score 20	100%	90%	80%	70%	60%	40%
Score	**20**	**15**	**10**	**6**	**4**	**2**
Debate Excellence-Max Score 15	Divisional Champion	Divisional Runner up	District Champion	District Runner up	Upazila Champion	Upazila Runner up
Score	**15**	**12**	**10**	**8**	**6**	**4**
School Debate-Max Score 15	Good School Teams	Satisfactory Class Teams	Less than Satisfactory	Weak School Team		

Item	Performance Based Score Distribution					
Score	**15**	**10**	**4**	**1**		
Football Excellence-Max Score 10	Divisional Champion	Divisional Runner up	District Champion	District Runner up	Upazila Champion	Upazila Runner up
Score	**10**	**8**	**7**	**6**	**5**	**4**
School Football-Max Score 10	Good School Teams	Satisfactory Class Teams	Less than Satisfactory School Teams	Weak School Team		
Score	10	8	3	1		
Cricket Excellence –Max Score 10	Divisional Champion	Divisional Runners up	District Champion	District Runner up	Upazila Champion	Upazila Runner up
Score	**10**	**8**	**7**	**6**	**5**	**4**
School Cricket- Max Score 10	Good School Teams	Satisfactory Class Teams	Less than Satisfactory	Weak School Team		
Score	**10**	**8**	**4**	**1**		
Bonus Point-Max score 10						
Score						
School Environment						
Class-Max Score 2	Regular Class	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Attendance-Max Score 2	High	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Assembly-Max Score 2	High	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Personal Hygiene- Max Score **2**	Good	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Cleanliness- Max Score 2	Good	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
School Environment Max Score 10						
Score						

Item	Performance Based Score Distribution					
School Management						
Accountability- Max Score 2	High	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Transparency- Max Score 2	High	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
SMC meeting- Max Score 2	Regular	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Headmaster Leadership- Max Score 2	High	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
Community Engagement- Max Score 2	Good	Satisfactory	Less than satisfactory			
Score	**2**	**1.5**	**1.00**			
School Management Max Score10						
Score						
Total Score	**340**					

Table D-2 below shows the Performance Index calculation using the actual scores in different items obtained by five schools. The sum of the indexes in different categories gives the Performance Index of the schools.

Table D 2: Score Sheet and Performance Index Calculation for School

Data Collection Sheet and Performance Index for 5 VAB schools in the Nageshwari Cluster

Weight Distribution: Pass Rate: 23.5, Grade A: 23.5, Math,Comp&Eng: 23.5, Debate & Sports: 23.5, School Environment: 3.00, School Management: 3.00

Pass Rate							Nageshwari DM Academy	Adarsha Pilot Girls' HS	JagaraniGirls' BiddyaBithi High School	Nakhargonj M.L High School	Rayigonj Girls'High School
Pass Percent, JSC/Score	100%/40	90%/35	80%/30	70%/25	60%/15	50%/5	35	30	15	35	25
Pass Percent, SSC/Score	100%/40	90%/35	80%/30	70%/25	60%/15	50%/5	35	35	40	35	30
Score to be entered for Pass Percentage	**80**						**70**	**65**	**55**	**70**	**55**
Index from Pass Percentage							**20.56**	**19.09**	**16.16**	**20.56**	**16.16**
A Grade, JSC/Score	80%/40	70%/35	60%/30	50%/25	40%/15	30%/5	40	35	30	30	30
A Grade, SSC/ Score	80%/40	70%/35	60%/30	50%/25	40%/15	30%/5	35	35	40	35	35
Score to be entered for Grade A	**80**						**75**	**70**	**70**	**65**	**65**
Index from Grade A							**22.03**	**20.56**	**20.56**	**19.09**	**19.09**
Math Olympiad/Score	National Qualified/20	Regional Qualified/15	District Qualified/10	District Attendance/6	Attend in VAB Training/4		15	15	10	10	10
English Skill/Score	Inter-cluster Champion/10	Inter-clusterRunner up/8	Inter-school Champion/6	Inter-school Runner up/5	Inter-school Participation/3		10	8	4	4	4
English Literacy/Score	100%/20	90%/15	80%/10	70%/6	60%/4	40%/2	4	4	5	2	4
Computer Skill/Score	Inter-cluster Champion/10	Inter-cluster Runner up/8	Inter-school Champion/6	Inter-school Runner up/5	Inter-school Participation/3		10	4	8	4	4
Computer Literacy/Score	100%/20	90%/15	80%/10	70%/6	60%/4	40%/2	4	20	20	2	2
Score to be entered for Co-Academic Category	**80**						**43**	**51**	**47**	**22**	**24**
Index from Co-Academic							**12.63**	**14.98**	**13.81**	**6.46**	**7.05**
Debate Excellence /Score	Divisional Champion/15	Divisional Runner up/12	District Champion/10	District Runner up/8	Upazila Champion/6	Upazila Runner up/4		6			4
School Debate/Score	Good School Teams/15	Satisfactory Class Teams/10	Less than Satisfactory/4	Weak School Team/1			15	10	15	10	15

Football Excellence/Score	Divisional Champion/10	Divisional Runner up/8	District Champion/7	District Runner up/6	Upazila Champion/5	Upazila Runner up/4	5	4			
School Football/Score	Good School Teams/10	Satisfactory Class Teams/8	Less than Satisfactory School Teams/3	Weak School Team/1			10	10	8	8	10
Cricket Excellence/Score	Divisional Champion/10	Divisional Runner up/8	District Champion/7	District Runner up/6	Upazila Champion/5	Upazila Runner up/4	5	5			
School Cricket/Score	Good School Teams/10	Satisfactory Class Teams/8	Less than Satisfactory/4	Weak School Team/1			10	10	4	8	8
Bonus Point/10 (Achievement out of the above Items)							10	5	5	3	5
Score to be entered for Co-Curricular Category	**80**						**55**	**44**	**38**	**29**	**42**
Index from Debate & Sports score							**16.15625**	**12.93**	**11.16**	**8.52**	**12.34**
School Environment											
Class	Regular Class/2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	2	2
Attendance	High /2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	1.5	1.5
Assembly	High /2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	2	2
Personal Hygiene	Good/2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	1.5	2
Cleanliness	Good/2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	1.5	2
Score to be entered for School Environment	**10**						**10**	**10**	**10**	**8.5**	**9.5**
Index from Environment							**3.00**	**3.00**	**3.00**	**2.55**	**2.85**
School Management											
Accountability	High/2	Satisfactory/1.5	Less than satisfactory/1.00				2	1.5	2	1.5	1.5
Transparency	High/2	Satisfactory/1.5	Less than satisfactory/1.00				2	1.5	2	1.5	1.5
SMC meeting	Regular/2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	2	2
Headmaster Leadership	High/2	Satisfactory/1.5	Less than satisfactory/1.00				2	1.5	2	2	1.5
Community Engagement	Good/2	Satisfactory/1.5	Less than satisfactory/1.00				2	2	2	2	2
Score to be entered for School Management	**10**						**10**	**8.5**	**10**	**9**	**8.5**

Index from school management				3.00	2.55	3.00	2.70	2.55
Total Grade	**340**	**Total Score**		263	248.5	230	203.5	204
Performance Index				77.38	73.11	67.69	59.89	60.04