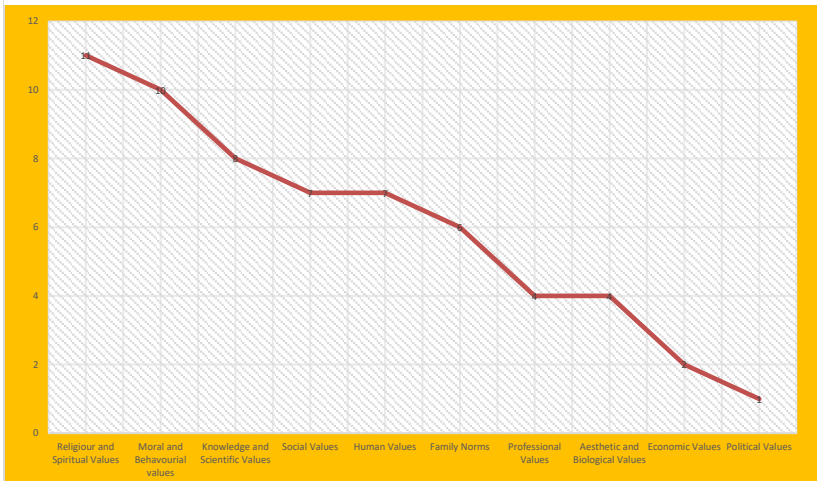


DEVELOPMENT OF A CURRICULUM MODEL BASED ON ETHICAL AND MORAL EDUCATION AT SECONDARY LEVEL IN PUNJAB

SYEDA TEHZEEB ALVI (Ph.D. Scholar) & Dr. Afifa Khanam (Supervisor)

Department of STEM Education, LCWU, Lahore.

Showing Categories of Values and Ethics Using Borda Count Method (in descending order)



	OPTION	MODE		MEDIAN	
	Moral stories	11		9.000	
	Disciplinary rules	11		7.000	
	Social issues and norms	9		7.000	
	Family concerns	8		6.000	
	Civic rules	7		7.000	
	Social relationship	7		6.000	
	Scenarios	4		5.000	
	Didactic essays	3		5.000	
	Health and nutritional principles	3		5.000	
	Dilemmas	1		5.000	
	Inductive and deductive reasoning	1		6.000	

OPTIONS	ORDER	APPLICATION OF BORDA COUNT ON PARTICIPANTS SELECTED THESE OPTIONS												SUM
Religious and Spiritual Values	1	22*1 =22	10*2 =20	7*3 =21	10*4 =40	9*5 =45	12*6 =72	11*7 =77	8*8 =64	31*9 =279	32*10 =320	84*11 =924		1884
Moral and Behavioral Values	2	10*1 =10	23*2 =46	14*3 =42	11*4 =44	12*5 =60	9*6 =54	17*7 =119	12*8 =96	30*9 =270	56*10 =560	42*11 =462		1763
Knowledge and Scientific Values	3	8*1 =8	5*2 =10	9*3 =27	17*4 =68	21*5 =105	34*6 =204	13*7 =210	38*8 =304	22*9 =198	35*10 =350	17*11 =187		1671
Social Values	5	5*1 =5	13*2 =26	24*3 =72	19*4 =76	18*5 =90	24*6 =144	39*7 =263	34*8 =272	24*9 =216	17*10 =170	19*11 =209		1553
Human Values,	6	22*1 =22	14*2 =28	16*3 =48	11*4 =44	22*5 =110	21*6 =126	31*7 =217	25*8 =200	29*9 =261	24*10 =240	21*11 =231		1527
Family norms	4	10*1 =10	13*2 =26	16*3 =48	24*4 =96	32*5 =160	40*6 =240	21*7 =147	36*8 =288	29*9 =261	9*10 =90	6*11 =66		1432
Professional values	10	13*1 =13	21*2 =42	29*3 =87	23*4=132	27*5 =135	26*6 =156	23*7 =161	17*8 =136	1721*9 =153	17*10 =170	13*11 =143		1328
Emotional Values	11	28*1 =28	27*2 =54	17*3 =51	23*4=92	27*5 =135	27*6 =162	31*7 =217	21*8 =168	21*9 =189	7*10 =70	6*11 =66		1232
Aesthetic and Biological Values	9	22*1 =22	33*2 =66	24*3 =72	39*4 =156	22*5 =110	20*6 =120	17*7 =119	21*8 =168	9*9 =81	18*10 =180	11*11 =121		1215
Economic Values	8	15*1 =15	44*2 =88	40*3 =120	31*4 =124	26*5 =130	13*6 =78	20*7 =140	7*8 =56	15*9 =135	116*10 =60	9*11 =99		1145
Political Values,	7	76*1 =76	27*2 =54	34*3 =102	15*4 =60	14*5 =70	7*6 =42	12*7 =84	13*8 =104	14*9 =126	10*10 =100	14*11 =154		972

Recommendation

Application of all three domains of objectives be included with the practical and operational approaches to develop ethical and moral education.

Methodologies be totally changed inquiry based and explorative aspects be adopted and the concept of evaluation and assessment be revolutionized, the students’ ethical and moral maturity be assessed by evaluating their responses in putting them in diverse situations, dilemmas and scenarios, self-assessment exercises and through observation.

Maximum Practical aspect of moral and ethical education be adopted and there must be an application in social context and follow up for the learned concepts to improve their interpersonal abilities and promoting critical thinking by highlighting and operationalization of the values in text through trained and visionary teachers.

Objective of the Study

The study has focused the following objectives:

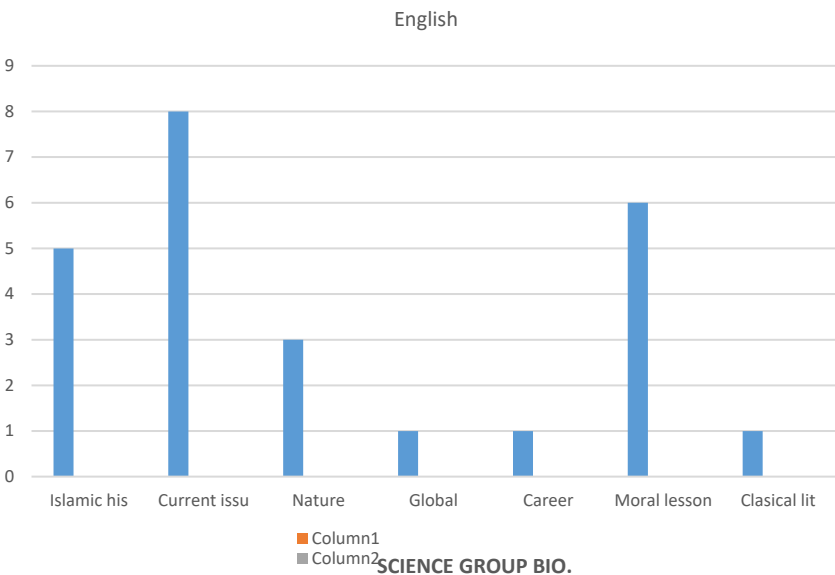
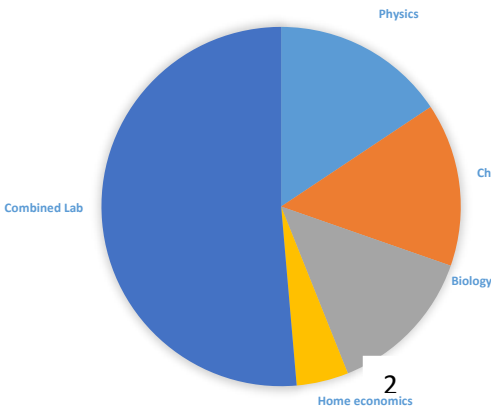
To analyse and evaluate the present structure of ethical and moral education and to identify the present status of the relevancy and effectiveness of the curriculum for ethical and moral education at secondary school level in Punjab through document analysis.

To determine stake holders’ priorities for the inclusion and effectiveness of ethical and moral education at secondary school level using Thurstone scale and Borda Count Method.

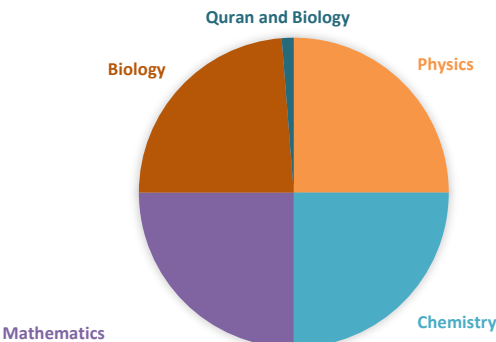
To identify and explain the perceptions of different stakeholders of society (students, teachers, administration, parents, curriculum developers, politicians, businessmen, religious scholars) about the ethical and moral education at the secondary school level in Punjab through semi structured interview protocol.

To develop a curriculum model for improving effectiveness of ethical and moral education at secondary school level in Punjab in the light of findings.

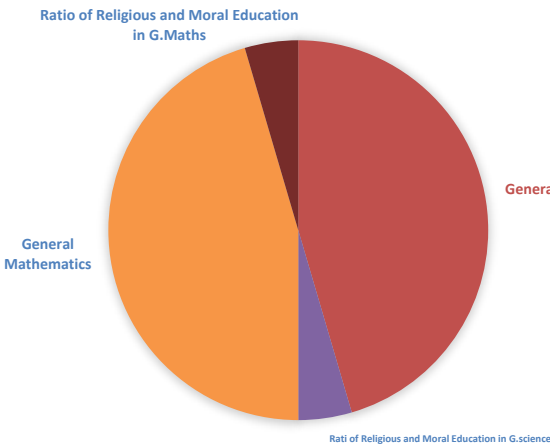
NO. OF SCIENCE LABS ON PUBLIC SCHOOLS OF PUNJAB
TOTAL 6172 LABS IN 6,663 SECONDARY SCHOOLS



SCIENCE GROUP BIO.



GENERAL SCIENCE AND GENERAL MATHEMATICS



Item Number	Median	IQR
45	1	1.5
33	1	1
12	1	1
40	1	1
17	1	1
7	1	0
6	2	4
44	2	3
31	2	3
30	2	2.3

Thurstone Scale is a unidimensional scale to measure attitude. It is also called method of equal measuring scale intervals because while choosing the items for test on the basis of priorities by picking items equally spaced apart.

Borda Count Method Borda count was used to add a further procedure of prioritizing the items on Thurstone Scale. “The Borda Count Method is a simple tool that is used in elections and decision-making in various contemporary situations”

Number of voters	8	7	6
1st choice	A	C	B
2nd choice	B	B	C
3rd choice	C	A	A