

Review Form 1.6

Journal Name:	Journal of Education, Society and Behavioural Science
Manuscript Number:	Ms_JESBS_77586
Title of the Manuscript:	The Beauty of Mathematics: Learning Mathematics by Questioning
Type of the Article	Review Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. The subject "Beauty of Mathematics: Learning Mathematics by Questioning" is interesting 2. Right: Too many topics that are taught to a shallow degree. • Most mathematics teachers have less mastery of mathematics as a subject. • Mathematics is taught in a rigid, rule-based approach that blocks any other alternative views. 3. To be added for examples: Lack of utilization of (Hyper-)Differential operators side by side with Functions as in quantum mechanics where gradient and position operators are side by side. This caused for examples difficulties in linking functions with their transformed (by translation, dilatation, linear canonical transformation, etc...; in expressing special polynomials as transforms of monomials by hyperdifferential operators; in replacing complicated integrations by derivations when dealing with Fourier series and Fourier transforms . Ref. may be found on the net. 4. Right:: Students like (are interested) to know the applications of mathematics but math teachers are often pure mathematicians and can't give examples of applications in physics and so on. 5. If OK: To be added somewhere: Mathbooks'maker, Mathcursus'makers do not often renew their books or cursus in order to change old into new concepts, formulae, etc... 	
Minor REVISION comments	The author's opinions about the problem are almost interesting and correct but expressed too sophisticatedly, too lengthy and propositions for resolving the problem are interesting but maybe insufficient..	
Optional/General comments	The work may be published because the theme is interesting and urgent to be discussed by mathematicians' community. Nevertheless it is preferable that the author simplify its representations, shorter and clearer! The referee suggests that new mathematical tools for Physics such as " Principles of quantum mechanics and laws of Optics from one mathematical formula", "The Powers Sums, Bernoulli Numbers, Bernoulli Polynomials Rethinked" (see on the net) should be shown as references.	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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