Linking TOK Areas of Knowledge with Ways of Knowing

	Emotion	Reason	Perception	Language
Science	Wishful thinking when interpreting experimental results	deduction, inductioncorrelation and cause/effectthought experimentsPopper: demarcation and induction	 Observation is first step of scientific method Science based on (unreliable?) perception; Selective perception. 	 Scientific language, jargon Misleading language (pseudoscience)
History	Effect of Emotion on interpretation of History	Interpretation of facts based on cause and effect	 Can't obtain experimental results in history? Experimental anthropology! To what extent do historic paintings (seen over sense perception) reflect the history of that time? 	Comparing 2 articles using manipulative/ non manipulative language
Arts	Leo Tolstoy: definition of art, art conveys emotions	Golden cut, measurably of beauty? Scientists made beauty of faces made measurable	 Music: hearing; pictures: seeing; smell: ??; touch: ?? Museum for the blind: links the sense of touch with arts 	 Music as a language Art itself as a language? eg. Cave paintings
Math	How do emotional attitudes influence the ability to learn math?	 Axioms, theorems, rules of inference. Reasoning is used during the application of the rules to axioms and theorems. 	 Math able to describe, predict phenomena that are not perceivable (discovery of planets that are not yet seen) 	Aspects of math that make it a language (use of symbols, a "grammar" etc.)
Human sciences	Descartes: Emotion as a consequence of an automatic reaction	Prediction of human behavior based on cause and effect, statistics	Experimentation in a controlled environment	The way of asking a question may influence the answer
Ethics	Effect of Emotions on reaching Ethical decisions	Kant: reason relevant for ethics	 Can personal experience influence ethical decisions? (eg experience of war) 	Language to manipulate opinion on ethical issues

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