	<del>-</del>		RE2v2 submitted late: -15 No RE2v1 attached: -5
Features:	Description:	Range :	Comments on student paper for each feature (noting problems and strengths):
Coverage of issues and information	In making the case for funding the Manhattan Project, be sure to include the following technical content (not necessarily in this order):	25%	
	• The definition of (a) a fissionable nuclide, (b) a fissile nuclide and (c) a fertile nuclide. In your explanation, list (d) an example of a fissile nuclide, (e) an example of a fissionable nuclide that is not fissile, and (f)	High	
	<ul> <li>an example of a fertile nuclide.</li> <li>The definition of (a) a nuclear-explosive nuclide and (b) a nuclear explosive material. Explain (c) whether or not all fissile nuclides are</li> </ul>	Mid	
	nuclear-explosive nuclides. Explain (d) why some nuclides that are not fissile are nevertheless nuclear-explosive. In your explanation, (e) list an example of an important nuclear-explosive nuclide that is not fissile.  • Explain in one or two paragraphs the basic, general requirements for achieving a nuclear explosion using nuclear explosive material. Do not go into any of the details of particular weapon designs. ( 1/3 of paper)  • Explain in (a) one paragraph why the energy released in a nuclear explosion is much greater than the energy released in the explosion of a conventional bomb and in (b) a separate paragraph the magnitude of energy release of a nuclear explosion when deployed strategically. Suggest a concrete scenario for the use of a nuclear weapon in the ongoing war effort (World War II).	Low	
Precise and accurate use of concepts	Accurate, clear definitions of:  • Fissile, fissionable and fertile  • NEM, NEN	20% High	
or concepts	Accurate explanation of:	Mid	
	<ul> <li>Nuclear explosion using NEM</li> <li>Energy release greater than conventional bomb</li> </ul>	Low	
Explanation & argument	Do not forward personal opinion, but approach is persuasive	10%	
	<ul> <li>Technical content is integrated into the persuasive case, suggested military application is realistic.</li> </ul>	High Mid	
	<ul> <li>Explanations use careful logic and evidence in reasoning about concepts and their applications</li> </ul>	Low	

Professional style	Geared toward college-educated members of congress.	20%	
style	Congruent with Congressional Research Service report style. Language (word choice, sentence structure, flow of information etc.) is precise and straightforward, attending to: Concision, Clarity, Brevity Professional tone Organization	High Mid	
	Comprehensive and thoughtful use of sources (need both NEM and Slides) Source info clearly cited Uses a mixture of quotation, paraphrase, and summary.	Low	
Conformity to conventions	<ul> <li>1 page, single spaced</li> <li>Title and section headings specified in prompt</li> <li>Header and date in correct format</li> <li>Page numbers</li> <li>12-point Times New Roman font throughout, including page numbers (except if specified in prompt)</li> <li>1.25" side margins and 1" top margins and .5" bottom margins.</li> <li>Citation practices specified in prompt.</li> <li>Key terms bolded in first use</li> <li>(√ = all correct, X = some mistakes (-10), XX = no conformity (-15))</li> <li>**If you can't find the error, come to office hours!</li> </ul>	15%	
Copy editing and use of standard language	Grammar and mechanics are edited for correctness and legibility.	10% High Mid	
Overall Comme	nts:	Low	