PEDAGOGICAL AND INSTRUCTIONAL ANALYSIS

Does Africa have a future?
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Criteria	Evaluation
1. Development of student autonomy in learning	Passive 1 2 3 4 **5** Active
2. Organization of the group	Individual 1 2 3 4 **5** Team
3. Degree of interdisciplinarity	Monodiscipl. 1 2 3 4 **5** Multidiscipl.
4. Preferred line of reasoning	Deductive 1 2 **3** 4 5 Inductive
5. Systematic approach to problem solving	Minimum 1 2 3 4 **5** Maximum
6. Implementation of a method to produce scientific knowledge	Minimum 1 2 **3** 4 5 Maximum
7. Development of effective written communication skills	Minimum 1 2 3 4 **5** Maximum
8. Development of effective oral communication skills	Minimum 1 2 3 **4** 5 Maximum
9. Development of logical reasoning	Minimum 1 2 3 **4** 5 Maximum
10. Development of critical thinking skills	Minimum 1 2 3 4 **5** Maximum
11. Development of attitudes that are useful for scientific work	Minimum 1 2 3 **4** 5 Maximum
12. Definition of the students' systems of values	Minimum 1 2 3 4 **5** Maximum
13. Use of information technologies	Minimum 1 2 **3** 4 5 Maximum
14. Creation of connections between science, technology and social progress	Minimum 1 2 3 4 **5** Maximum
15. Familiarization with the context in which scientific concepts are discovered and developed	Minimum 1 2 **3** 4 5 Maximum
16. Application of student learnings to new situations	Minimum 1 2 3 **4** 5 Maximum