

**JOURNAL OF SCIENCE EDUCATION**  
**Revista de Educación en Ciencias**

REFEREE'S EVALUATION FORM

**The Journal of Science Education publishes only articles which contain new research and methodological results and which will be of interest to our readers.**

Instructions to Referees:

1. Please return your responses to the editor as file.doc or send by e-mail, if possible.
2. Please give your frank and confidential impressions of the content of the paper.
3. Suggestions regarding spelling and language style can be written on the manuscript, which can be returned by email, or indicated in the file.doc

Title of paper: **Development of the learning design ability in the vocational context for pre-service chemistry teachers**

Responses:

1. The article contains new material on the teaching and learning of science.  
Yes (partly)
2. The content will be of interest to the readers  
Yes
3. Please decide if each of the following parts of the paper has been presented adequately:
  - (a) Does the investigation have clear objectives or research questions?  
Yes
  - (b) Is the research methodology sound?  
Yes
  - (c) Are the results logically derived from the experimental work?  
Yes
  - (d) Has the appropriate statistical treatment been applied to the results?  
Yes (but only descriptive approach)
  - (e) Have appropriate references been made to previous publications?  
Yes (suitable is to increase citation items)
  - (f) Are the discussion and the conclusions clear and logical?  
Yes

Recommendations for the acceptance of the paper (tick one choice only):

- (a) It should be accepted subject to minor editing
- (b) It should be returned to the author(s) for minor modifications in the light of the referee's comments, and resubmitted.
- (c) It should be returned to the author for major rewriting and possible resubmission. **XX**
- (d) It should be rejected.

Please add any comments (on the back of this sheet) to amplify your decisions above. These should be in a form which can be returned anonymously to the author(s) and should be, if possible, helpful and constructive.

**For improve this text is necessary:**

1. To improve English language is necessary (check by native speaker).
2. To correct the part identified in the reviewed manuscript.
3. To add the name, abstract and key words in Spanish.
4. To write all corrections in the texts with BLUE letters