

Teacher Name: _____

WEBTECH

EVALUATION PLAN and FORMS

Developed for the WebTech Project
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ETGaR Company for Evaluation Studies

Teacher Name: _____

To the field test teacher:

The WebTech is an experimental program designed to develop on-line materials for high school technology learning. The program is funded by the National Science Foundation (NSF) and it includes development, application and evaluation components.

The evaluation component of the WebTech program is based on three main guiding questions:

1. What do students learn through their experiences with the WebTech units?
2. What do teachers learn through their experiences with the WebTech units?
3. How do teachers' pedagogy and students' learning in the WebTech units reflect national math, science and technology education standards?

To answer these questions you will be asked to do the following:

1. Participate in training workshop activities
2. Complete questionnaire forms after the workshop (forms T1, T2 and T3)
3. Provide all students with a parent/guardian consent form to be signed
4. Administer pre-tests to student in the WebTech class (forms S1 and S2) and mail them to project evaluator
5. Complete daily "check-up" (form T4)
6. Teach the assigned module and collect sample work produced by students (form T5)
7. Provide a sample of pictures of students' models/final products
8. Administer the post-test and evaluation form to student in the WebTech class (forms S3, S4,S5)
9. Complete the unit evaluation (form T6)
10. Send all materials to project evaluator

Data collected by you and by the project leaders will be analyzed to answer the above evaluation questions. The final report will be sent to you as soon as it will be available.

Thank you very much for your participation and contribution to the success of this project.

Teacher Name: _____

T5: Examples of Student Work

At the end of the unit please collect the design folios or project notebook completed by three students who represent different levels of achievement (i.e., low, medium and high level). If students want to keep their work, please make copies of their folios. Also collect sample work to illustrate student performances during the unit. The samples can be collected from different students and it may include any of the following:

- Lab reports
- Homework
- Drawings
- Pictures of models
- PowerPoint presentations
- and others

Teacher Name: _____

T6: Tell us what you think

Please reflect about your experience with the WebTech unit and briefly answer the following questions:

1. What was your most difficult task during this experience?

2. What support did you receive from Project leaders during the implementation of the unit?

3. What support did you receive from your school/district?

4. What were, if any, the barriers to successful implementation of the unit?

5. How can the module be improved?

6. Will you be interested in teaching other WebTech units? If so, what type of support would you need?

Teacher Name: _____

Scoring Rubric for Student Learning Outcomes

Score Point	Criteria for Scoring
Exemplary (4)	<p>Student work shows:</p> <ul style="list-style-type: none">• Comprehensive knowledge of the topic• In-depth understanding of topic-related concepts and ideas• Use of data and examples to illustrate main arguments or point of view• Logical and coherent flow of ideas and arguments <p>Overall, the work is exemplary, detailed and clear.</p>
Proficient (3)	<p>Student work shows:</p> <ul style="list-style-type: none">• Knowledge of the topic• Good understanding of topic-related concepts and ideas• Some use of data and examples to illustrate main arguments or point of view• Good development of ideas and arguments <p>Overall, the work is good, has some detail, and is clear.</p>
Developing competency (2)	<p>Student work shows:</p> <ul style="list-style-type: none">• Some knowledge of the topic, but may include content inaccuracies• Some understanding of topic-related concepts, but there are apparent gaps in understanding the relations among main ideas• Some use of supporting facts and examples• An apparent effort, although not completely successful, to put together ideas and arguments <p>Overall, the work is satisfactory, but the answer may be vague or not well developed and may include content inaccuracies.</p>
Novice (1)	<p>Student work shows:</p> <ul style="list-style-type: none">• Little knowledge of the topic.• Limited understanding of main ideas• Unsupported arguments.• Misconceptions, inaccurate or irrelevant information. <p>Overall, the work is poor and lacks clarity.</p>
Unscorable (0)	<p>The student either:</p> <ul style="list-style-type: none">• left the answer blank• wrote about a different topic