
EVALUATION CRITERIA HIGH SCHOOL GENETICS CURRICULUM MATERIALS

TITLE: *or name of resource*
 SERIES TITLE: *if applicable*
 AUTHOR(S): *if applicable*
 CITY/STATE: *where published*
 PUBLISHER/SOURCE:
 COPYRIGHT DATE: ISBN NO:
 ADVERTISED GRADE LEVEL(S): *grades(s)*
 SUPPLIES: *availability of materials and kits for core curriculum materials*

COST: *suggested list price*
 RESOURCE TYPE: *student activity book, teacher's guide, books on teaching science, etc.*
 URL if available:
 SUBJECT:
 REVIEWER'S NAME:
 DATE OF REVIEW:

GRADE LEVEL(S) RECOMMENDED BY REVIEWER IF DIFFERENT FROM THE ADVERTISED LEVEL(S) STATED ABOVE:

(Please circle the specific grade level(s) for which you believe these materials are most appropriate or just delete the grade levels that are not applicable.)

7 8 9 10 11 12

GENETICS CONTENT COVERAGE

The 2007 GENA partnerships will be focusing on Patterns of Inheritance. After reviewing your resource, please indicate which topics under this broad theme the resource covers by placing an "X" next to the topic. If we have missed a topic(s) you feel relevant, you may add it under "other."

- | | | |
|--|--|---|
| <input type="checkbox"/> Meiosis | <input type="checkbox"/> Recombination | <input type="checkbox"/> Mendelian genetics/probability |
| <input type="checkbox"/> Linkage | <input type="checkbox"/> Alleles | <input type="checkbox"/> Sex determination |
| <input type="checkbox"/> Human genetic disorders | <input type="checkbox"/> Complementation | <input type="checkbox"/> Epistasis |
| <input type="checkbox"/> Polygenic inheritance | <input type="checkbox"/> Role of the environment | <input type="checkbox"/> Imprinting |
| <input type="checkbox"/> Pedigree Analysis | <input type="checkbox"/> Non-Mendelian inheritance | <input type="checkbox"/> Other- Please Specify _____ |
| <input type="checkbox"/> Social Issues in Genetics | | <input type="checkbox"/> Other- Please Specify _____ |

After reviewing the resource, please reflect upon how well this tool addresses the following areas of pedagogy and content. Please place your score, 1 through 10 in the box to the right with 10 being the highest rating and 1 being the lowest. If you would like to add comments on why you scored something in a particular way or would like to comment on specific strengths and weaknesses, feel free to do so in the comments section.

| Criteria | Rating |
|--|---------------|
| How well does the material address the important goals a high school teacher would have for the teaching of major principles in Patterns of Inheritance? Comments: | |
| How well does the material focus on inquiry and activity as the basis of learning experiences? Comments: | |
| How developmentally appropriate are the modes of instruction, writing style and materials and equipment utilized? Comments: | |
| How accurate is the science content presented? Comments: | |

| | |
|--|--|
| How well do the suggested investigations (if applicable) lead to an understanding of basic concepts and principles of science? Comments: | |
| How well does this resource reflect the unbiased nature of science (i.e. is the resource free of dogmatism)? Comments: | |
| How engaging would high school students find this activity? Comments: | |
| How well does the material define scientific terminology and concepts? Comments: | |
| Does the content provide sufficient information for the teacher to effectively conduct the activity in the context of a complete learning cycle? Comments: | |
| Does the content provide sufficient information for the teacher to conduct an effective assessment of student understanding? Comments: | |
| Are the materials required easily obtained and affordable for the average high school classroom? Comments: | |

RECOMMENDATION BASED ON ALL CRITERIA

Instructions: Complete the section below. If you "recommend with reservations" or "do not recommend" a material for inclusion, briefly state your primary reason in the space provided.

Based upon all aspects of my review of this material,

_____ I highly recommend this material.

_____ I recommend this material.

_____ I recommend this material with reservations.

Primary reasons for reservations:

_____ I **do not** recommend this material.

Primary reasons for rejection:

This document was created using the official National Science Resource Center Evaluation Criteria for Curriculum Materials designed for Middle Schools and adapted for our use.