

University of California at Berkeley Museum of Paleontology (UCMP)

Teacher Survey - Spring 2004

Rockman *et al*, an independent firm specializing in the evaluation of technology and learning, is working with the University of California Museum of Paleontology (UCMP) to evaluate the effectiveness of its evolution website. The website aims to help teachers better understand evolution and offers strategies for teaching evolution.

Now that you've visited the website, please reflect on its content and organization. All responses will be kept confidential. No names will be used in our reports. This survey will take approximately 15 minutes.

Please remember to click the **Submit** button at the end of this survey.

Thank you for your time and honest feedback!

Use and Usefulness

1. Overall, how useful is the website to you?

Not at all useful Somewhat useful Useful Very useful

Please explain your rating.

2. Which of the following describes how you have used the website. Please check all that apply.

- Learn about the **nature of science** (Process, principles, characteristics, cultural context)
- Learn about **evolution topics** (Evolution 101: definitions, patterns, mechanisms, microevolution, speciation, macroevolution)
- Learn about **lines of evidence** - or science of - evolution (fossil evidence, homologies, distribution in time and space, evidence by example)
- Learn about the **relevance** of evolutionary biology (medical science, agriculture, conservation)
- Learn about the **history of evolutionary thought** (pre-1800s to present, earth's history, life's history, mechanisms, development and genetics)
- Investigate issues based on **personal curiosity**
- Teach or facilitate lessons** from the website with students in my classroom
- Refer students** to particular lessons or content as homework assignments or independent work (not guided by teacher)
- Create **my own activities** or lessons from website material
- Use for **roles outside of classroom** setting (e.g. staff training, mentoring, department meetings)
- Other:

3. How useful is the website for teaching evolution?

Not at all useful Somewhat useful Useful Very useful Not applicable

Please explain your rating.

4a. Have you used any of the lessons from the website with students? Yes No

4b. If no, you have not used lessons, why not?

Not appropriate Not enough class time I did not access the lessons Other:

4c. If yes, you have used lessons from the website, were the lessons effective? Yes No

If no, why weren't they effective?

4d. If yes, note the lessons that you used and describe them below.

Lesson:

Please check the boxes below that describe the lesson you used.

- Grade appropriate
- Easy to use in your classroom

Lesson:

Please check the boxes below that describe the lesson you used.

- Grade appropriate
- Easy to use in your classroom

Lesson:

Please check the boxes below that describe the lesson you used.

- Grade appropriate
- Easy to use in your classroom

Lesson:

Please check the boxes below that describe the lesson you used.

- Grade appropriate
- Easy to use in your classroom

Effective in teaching intended concepts

Effective in teaching intended concepts

Effective in teaching intended concepts

Effective in teaching intended concepts

High student engagement level

High student engagement level

High student engagement level

High student engagement level

4e. Please add any additional comments about the lessons.

5. Please read the following statements and check the choices that best reflect your experience and intentions.

	I have done this.	I plan to do this.	I do not plan to do this.
Have students vote on creationism vs. evolution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have students learn the "V.I.S.T" evolution fundamentals: Variation, Inheritance, Selection, Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teach alternative scientific theories to evolution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have students distinguish between hypothesis and theory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teach that life has been on earth for a long time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teach that life on earth has changed over time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6a. What other resources support your teaching about evolution? Check all that apply.

I use the following resources:

Textbooks

Printed materials (besides textbooks)

Internet (besides UCMP website)

Professional conferences

Colleagues

Field trips

Other:

6b. Describe how you envision using the UCMP evolution website in conjunction with the other resources.

Impact

1. To what extent has the website influenced your approach to teaching evolution? Rate the level of influence

No influence **Some influence** **Large influence**

Please comment on how the website has, or has not, influenced your teaching practices. *If applicable, note teaching strategies that you have learned from the website.*

2. To what extent has the website influenced your approach to teaching other areas of science? Rate the level of influence.

No influence **Some influence** **Large influence**

Please comment on how the website has, or has not, influenced your teaching practices. *If applicable, note teaching strategies that you learned from the website.*

3. Please rate the following statements.

Because of the evolution website... **Strongly disagree** **Disagree** **Neutral** **Agree** **Strongly agree** **Not applicable**

I have a better understanding of evolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to learn more about evolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am better prepared to teach evolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am more comfortable teaching evolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My interest in teaching evolution has increased.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I still have outdated information on evolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am aware of more resources related to teaching evolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My interest in science has increased.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I understand the relevance of evolution to my life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My students interest in evaluation has increased.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. Compare your comfort level **prior to** interacting with the website with your **current** comfort level in answering the questions below if asked by a student or parent. How **comfortable** would you feel answering the question today compared to before you viewed the website?

Potential challenging questions asked by student or parent	Still not comfortable	Somewhat more comfortable	More comfortable	Much more comfortable	Not applicable
Does evolution mean that God did not create man?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Why don't you also teach about creationism?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does evolution mean that we descended from apes?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How can we be certain that evolution occurred?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How can scientists make conclusions about evolution when there are gaps in the fossil records.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please feel free to add comments related to how the website has helped you address challenging aspects of teaching evolution.

General Questions

1. Characterize the overall tone of the website. Please check all that apply.

Clear Unclear Too complicated Easy to understand

Sophisticated Lighthearted and fun Too scientific Just right

Other:

2. Characterize the overall organization of the website. Please check all that apply.

Logical Confusing Easy to navigate Other:

3. Have you recommended the website to colleagues? Yes No If yes, may we contact them for feedback? Please provide:

Name: Email:

Name: Email:

Name: Email:

4. How much time have you spent on the website?

Approximately hours from a **school computer**

Approximately hours from my **home computer**

Approximately hours from (other)

5. Please explain any barriers or challenges to using the website.

6. Please share suggestions on improving the website for teachers.

We are interested in following up with a random sample of survey respondents. Please provide your current **email address** (important for scheduling), **phone number**, and the **best time to reach you**.

Email: Tel.: Best time to contact:

If you are not interested in being contacted for a brief telephone interview (approximately 15-20 minutes), please check here

UCMP will be launching a student centered website. Are you interested in using the website with your students? Yes No

Please feel free to share additional comments.

THANK YOU!

If you have any questions or comments, contact nicole@rockman.com

Please click the submit button **once.**

submit