



PENN-UPR HUMACAO PREM Evaluation

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University of Puerto Rico at Humacao



DMR-0934195



PREM PIs Meeting-Sept 14, 2012, Arlington, VA

Humacao PREM Evaluation

Internal Evaluator

Ramón Rivera, PREM Education Coordinator

MS Research and Evaluation in Education

“External” Evaluators

Mirza Rivera and Gladys Colón, Center for Evaluation and Sociomedical Research, School of Public Health, UPR

External Advisory Board



Humacao PREM Evaluation

Before PREM: NSF-CIRE, No Program Evaluators

2004: PREM

Proposal included Evaluation Plan

Evaluators: Faculty from School of Education, UPR-Humacao

2005: Evaluators: Mirza Rivera and Gladys Colón



Evaluation Process

Identify needs: Regular communication

Brainstorm session (questions, indicators, methods): Evaluators and PREM staff

Literature review and **instrument development:** External Evaluators

Data Collection: Evaluators and PREM staff

Analysis and Report

External Evaluators present briefing after intervention followed by full written report

Follow-up: Integration of findings for Program improvement



Evaluation Strategies (quantitative and qualitative)

Surveys (paper and electronic)

Pre and Post tests (e.g. questionnaires, drawings, posters)

Focus groups

Formal and informal interviews

Observational assessments

Documentation review

Use of other independent evaluator perspectives



Experimenta con PREM



Online Surveys

Focus Group



[SURVEY PREVIEW MODE] Post.Evaluación: Experimenta con PREM -UPR Humacao Survey
http://www.surveymonkey.com/s.aspx?PREVIEW_MODE=DO_NOT_USE_THIS_LINK_FOR_COLLECTION&sm=6

[Exit this survey](#)



Post.Evaluación: Experimenta con PREM -UPR Humacao

GRACIAS POR SER PARTE DE EXPERIMENTA CON PREM 2009!

El propósito de este cuestionario es conocer mejor a todos los participantes del campamento de verano: EXPERIMENTA CON PREM de la Universidad de Puerto Rico, Recinto de Humacao.

Completar este cuestionario le tomará aproximadamente 15-20 minutos. La participación es voluntaria y no requiere que identifique su nombre en ninguna de las secciones. Usted es libre de no contestar cualquier pregunta y puede terminar en cualquier momento sin consecuencia ninguna.

El cuestionario tiene preguntas de auto-percepción y reflexión por lo que no hay respuestas correctas o incorrecta. Además, incluye una sección de preguntas de conocimiento general de los participantes. Toda la información provista se mantendrá confidencial y todos los resultados serán informados de forma agregada.

Agradecemos su participación en esta importante iniciativa que va dirigida a ofrecer información que facilite el desarrollo de estrategias para el campamento de verano.

Atentamente,
La Administración del Programa

* 1. Entiendo el propósito del cuestionario

Si

No

Done



PREM Symposium

Impact on different populations:

- ✓ Faculty
- ✓ Students
- ✓ Industry
- ✓ Non-UPR People



Partnership for Research & Education in Materials

LRSM
The Laboratory for Research on the Structure of Matter

Universidad de Puerto Rico en Humacao

4th Annual Symposium

Soft Matters in Materials Science

Speakers:

- Peter Collings**
Physics & Astronomy, Swarthmore College
- Monica Olvera de la Cruz**
Materials Science and Engineering, Northwestern University
- Paul Janmey**
Physiology, University of Pennsylvania
- Daeyeon Lee**
Chemical & Biomolecular Engineering, University of Pennsylvania
- David Pine**
Physics, New York University
- Arjun G. Yodh**
Physics & Astronomy, University of Pennsylvania

Conference Location
Four Points By Sheraton
170 Candelero Drive
Humacao, 00791 PR
Ph. 787-850-6000

date: Friday, May 7, 2010
time: 9:45 am - 5:00 pm
place: Palmas del Mar, Humacao, Puerto Rico

MRSEC Penn
NSF
NSF-DMR-0934195

For more information, visit <http://penn.uprh.edu/symposium/>
Ph: 787-850-0000 x7027 Fax: 787-850-9308 Email: mrsec@penn.uprh.edu



Large Outreach Events


Questionnaires for participants

- ✓ students
- ✓ teachers
- ✓ general public
- ✓ drawings for small children

Structured interviews for volunteers and staff



Dibuja la cosa (materia) más pequeña que tú conoces

 garrapatea
(music note)

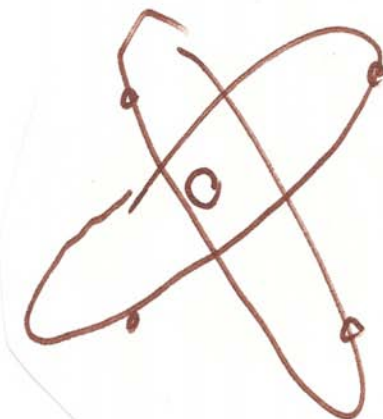
 

PRE

11/NOV 4:00 pm

Dibuja la cosa (materia) más pequeña que tú conoces

• un punto



POST

11/NOV 4:00 pm

*El propósito de este ejercicio es recoger datos relacionados al aprendizaje (molécula, átomo) de los niños a través del dibujo.



Other Information

Meetings with external evaluators: at least 2 per semester

Number of evaluations: at least 2 per year

Cost of external evaluation: \$5k-15k per year

Funding: NSF (Consultant Services), US Dept of Education

