Results of the COA PK-12 Engagement Survey

Kaylie Scherer
M.S. Student
Youth Development & Agricultural Education

Neil Knobloch, PhD
Associate Professor
Youth Development & Agricultural Education
PK-12 Engagement:

Scholarly or professional activity conducted for the direct benefit of PK-12 audiences, including students, teachers, volunteers, and parents, in formal and informal educational settings.
Methods

- Spring, 2013
- 40 item online questionnaire
- 101 of 350 individuals responded (29% response rate)

Instrument development & data collection assistance provided by YDAE Ph.D. Student Alee Gunderson.
Faculty Engagement Model

Amy Wade & Ada Demb, 2009
Participants

51% male

89% white/caucasian

52% faculty

43% tenured, 7% untenured, 50% not tenure-track

20% PK-12 part of official appointment

12% had a K-12 teaching license
## Department Participation

<table>
<thead>
<tr>
<th>Department</th>
<th># of participants</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural &amp; Biological Engineering</td>
<td>4</td>
<td>5%</td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td>19</td>
<td>23%</td>
</tr>
<tr>
<td>Agronomy</td>
<td>9</td>
<td>11%</td>
</tr>
<tr>
<td>Animal Sciences</td>
<td>12</td>
<td>14%</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>2</td>
<td>2%</td>
</tr>
<tr>
<td>Botany &amp; Plant Pathology</td>
<td>4</td>
<td>5%</td>
</tr>
<tr>
<td>Entomology</td>
<td>3</td>
<td>4%</td>
</tr>
<tr>
<td>Food Science</td>
<td>9</td>
<td>11%</td>
</tr>
<tr>
<td>Forestry &amp; Natural Resources</td>
<td>9</td>
<td>11%</td>
</tr>
<tr>
<td>Horticulture &amp; Landscape Architecture</td>
<td>1</td>
<td>1%</td>
</tr>
<tr>
<td>Youth Development and Agricultural Education</td>
<td>11</td>
<td>13%</td>
</tr>
</tbody>
</table>
In the past academic year (2011-2012), have you interacted with PK-12 audiences in a scholarly or professional role?

- Yes: 70%
- No: 30%
Number of Times Faculty & Staff Used Their Expertise to Serve the Needs of PK-12 Audiences (2011-2012 Academic Year)

- More than 10 times: 39%
- 1 – 4 times: 44%
- 5 – 10 times: 18%
As an employee of a land-grant university, to what extent do you feel committed to contribute to communities across the state?

- None: 1%
- A little: 4%
- Some: 19%
- Quite a bit: 31%
- A lot: 45%
Where Faculty & Staff Engaged With PK-12 Audiences

- **Precollege on-campus event, such as Science Workshops, 4-H Round-up, or Hoosier Agriscience Academy (HASA)**: 50%
- **Spring Fest**: 46%
- **Other event sponsored by the university or college on-campus**: 43%
- **Visit an elementary, middle, and/or high schools**: 36%
- **Other event sponsored by the university or college off-campus**: 31%
- **Other**: 25%
Who Faculty & Staff Collaborated With on PK-12 Engagement Activities

- Colleagues within my department/unit: 86%
- Colleagues in other departments/units within the College of Agriculture: 61%
- Colleagues at other universities: 41%
- Colleagues in other departments/units at Purdue, but not in the College of Agriculture: 33%
- Other: 16%
- Purdue Discovery Learning Research Center: 12%
How have you shared your PK-12 Engagement activities in an academic setting?

- 63%: I have not
- 34%: Conference Presentation
- 21%: Poster
- 15%: Publishing a Paper
Examining Institutional Support for PK-12 Engagement

Institutional
- Mission & Priorities, Leadership,
  Institutional Policies, Budget & Funding,
  Engagement Structure, Faculty Involvement,
  Community Involvement, Institutional Type & Prestige

Faculty Engagement

Professional
- Discipline, Status/Rank, Socialization, Professional Community Support,
  Department Support, Length of Time in Academe

Personal
- Race/Ethnicity, Gender, Values/Beliefs, Motivation, Epistemology, Previous Experience,
  Family College Attainment Status, Age
Examining Institutional Support for PK-12 Engagement

Promotion and tenure system
Faculty commitment
Financial support
University priorities
Infrastructure
University leadership
Community interest in collaboration
University mission

1=Strongly Disagree, 2=Somewhat Disagree, 3=Agree Somewhat, 4=Strongly Agree
Examining Support for PK-12 Engagement

**Importance of PK-12 Engagement within your discipline**

<table>
<thead>
<tr>
<th>1</th>
<th>Not important</th>
<th>2</th>
<th>Somewhat Important</th>
<th>3</th>
<th>Very Important</th>
<th>4</th>
<th>Essential</th>
</tr>
</thead>
</table>

**Importance of PK-12 Engagement within your department**

<table>
<thead>
<tr>
<th>1</th>
<th>Not important</th>
<th>2</th>
<th>Somewhat Important</th>
<th>3</th>
<th>Very Important</th>
<th>4</th>
<th>Essential</th>
</tr>
</thead>
</table>

**Value placed on PK-12 Engagement by Department's promotion and tenure**

| 1 | None | 2 | A little | 3 | Some | 4 | A lot | 5 | Absolutely |
|---|---|---|---|---|---|---|---|---|---|---|

1=Not important, 2=Somewhat Important, 3=Very Important, 4=Essential
Did you have engagement experiences with PK-12 students as a graduate student?

- Yes: 36%
- No: 64%
In what ways do you personally interact with PK-12 students?

- 47% I have children
- 46% I volunteer with youth groups (Girl Scouts, Boy Scouts, 4-H, church, sports, etc)
- 27% I have adult children
- 9% I am a grandparent
- 22% I do not personally interact with a PK-12 audience
Why do faculty and staff in your department NOT participate in Engagement?

Of the 59 people who responded

• 30 said time
• 9 said it is not recognized or rewarded
• 8 said promotion and tenure
• 8 said they are engaged in research
Why do you choose not to engage with PK-12 audiences?

Of the 22 people who responded

- 8 said time
- 5 said lack of opportunity
- 2 said resources
- 2 said tenure
What changes could be made at the College level to help you engage with PK-12 audiences more effectively?

Of the 54 people who responded

- 7 said **provide contacts**
- 6 said **hire personnel**
- 6 said **funding**
- 5 said **provide opportunities**
- 4 said **provide incentive**
What changes could be made at the department level to help you engage with PK-12 audiences more effectively?

Of the 50 people who responded

- 9 said **allot time**
- 6 said **communicate need**
- 5 said **promotion and tenure**
- 5 said **incentive**
- 4 said **rewards**
Which activities could be provided by the PK-12 Council to help you conduct PK-12 Engagement activities?

- Workshops on evaluating impact of activities: 69%
- Toolkit of logistic items: 56%
- Workshops on presenting to PK-12 audiences: 52%
- Informal gatherings with expert led discussion: 50%
- Online resources on presenting & evaluating: 44%
- Guest speaker series: 38%
Spring 2016 PK-12 Engagement Workshops

Assessing PK-12 Outcomes: Lessons Learned
A Common Assessment for Pre-College Programs
PK-12 Outreach and Engagement Awards

Three Awards
($5,000 per award)

Recognize COA Faculty & Staff for Emerging or Sustained Impact in PK-12 Outreach & Engagement

Nominations Due Feb. 10, 2016