

## *Biotechnology Defense Panel Overview*

**Review and critique is at the heart of successful science practice.**

### *Overview*

The defending student will present a body of work from their time as a biotechnology contributor. Their presentation will be unlikely to include 100% of their contributions to the program from the past semester. Instead the focus will be on sharing a coherent piece of science that they have built.

### *Format*

- Introduction – 6 minutes
  - Presentation of methods and apparatus
  - Discussion of any collected data, measurements, or observations
  - Review of the implications and conclusions drawn from the work
  - Description of the next steps required in the line of inquiry
- Review – 9 minutes
  - Questions from the panel regarding the presented work
    - Clarifying questions regarding the presentation
    - Alternative considerations and explanations to be considered or refuted for the observations and conclusions
  - Critique from the panel regarding the presented work
    - Comments regarding possible oversights or revisions of the work
    - Insights for possible improvements or alternative approaches to the investigation
    - Suggestions for additional future steps and questions to be approached

### *Intent*

**The focus of the panel is to provide critique. We ask that positive comments (Ex: “Good job” or “This is neat”) be kept to a minimum.** The students have done significant prep for this session and understand the purpose is to improve their work. They will greatly appreciate any positive feedback you have after their time slot, but during the review we want to focus on actionable and constructive feedback.

### *Winter 2014 Panel Members*

- Ilya Tabakh – KU Environmental Engineering Ph.D. Student and 2013-2014 GK-12 Partner
- Julie Miller – Olathe District Science Coordinator
- Michael Ralph – Olathe East Biotechnology Principle Investigator
- Olathe East Administration Representative
  - Dr. Bill Weber – Principal
  - Jennifer Noteboom – Assistant Principal
  - Kraig Taylor – Assistant Principal
  - Lee Meyers – Assistant Principal
- Defending Student Representative (Student’s Choice)