



EDUCATION COMMITTEE

American Society of Plant Biologists

Committee meeting, Tuesday 31 August 2021 11:00 am EDT
Via Zoom at <https://zoom.us/j/95454867506>

COMMITTEE MEMBERS:

Erin Friedman (chair), Susan Bush, Katelyn Butler, Ashley Cannon, Jonathan Gilkerson, Valerie Haywood, Estelle Hrabak, Joseph Jez, Tara Phelps-Durr, MariaElena Zavala, Winnie Nham (staff)
(all in attendance)

Agenda

1. **Welcome** 11:03
2. **Approval of the agenda**
3. **Announcements** (5 min)

None

4. **Agenda Item 1: 12 Principles Review** (45 min) - Katelyn, Ashley, Susan, Jonathan
 - a. *Pre-Meeting: Committee members reviewed the new principles and the review form*
 - b. Discuss the new principles and provide feedback to the committee
 - c. Action Item: All committee members (except the sub-committee) need to review the new principles and complete the review form no later than **Wednesday 15 September**.
 - d. Next Steps: Revise the principles in response to committee feedback by October 1; present to council on October 14.

Katelyn, Ashley, Susan, and Jonathan summarized the process and the products. Discussed alignment with NGSS standards and learning objectives and comparison with AP standards

Previously, the 12 principles were missing several areas, including weaknesses in ecosystems & evolution and the absence of heredity. The subcommittee worked to move away from biological principles and toward plant-specific principles. Our high school biology teacher member indicated the importance of NGSS alignment; teachers adding new course content must show alignment with these standards.

Val pointed out that on our website, the 12 principles were already aligned with NGSS. Katelyn clarified that the alignment was not current or complete. Susan shared that there are also undergraduate NGSS-aligned learning objectives and higher-ed core concepts that differ from K12 versions. Jonathan shared information about the addition of an introductory paragraph for each area. We discussed possible subdivision of the information into target audiences of elementary, middle school, and high school.

Future BLOOME RFPs will be worded to solicit labs and lesson plans/activities including assessments and discussion questions for teachers to plug-and-play into courses. The launch of the NEW Principles should be leveraged to inspire ASPB members to design new materials using BLOOME as a funding source.

We discussed the possibility of linking in resources already developed by Planting Science, STEM Scouts, and Wisconsin Fast Plants or at least using elements of these products as examples for those pursuing BLOOME grants.

Val urged us to have the BLOOME announcement ready for NSTA in April and to reconsider deadlines so that applicants could leverage the summer months for creating these modules. A proposed timeline was that they'd write up the lab/activity during the summer, test in their classroom in the fall, and submit the product by January. BLOOME timeline needs to accommodate this (K12 teachers do NOT have time for projects like this during the academic year)

5. **Farewells and Thank Yous (the Encore)** (5 min)

Rotating off: Estelle, MariaElena, Ashley. Thank you for your service!

6. List Action Items (5 min)

Committee members (excepting the sub-committee) will submit feedback using the Google Sheet by 15 September

Subcommittee and Erin (and outside subcommittee members?) will finalize language by 10/1

Erin and one subcommittee member will present to council on 10/14

Ask Sarah Wyatt and Mary Williams for information about the design of the original icons. This may help us move forward with designing new icons.

7. Adjournment 12:00