Appendix E: Student Characteristics Survey

(Participants ranked (both pre- and post-heterogeneous focus group) the importance of each of the following student characteristics for its contribution to success in introductory college biology course.

**Biology Category**
1. Definition of biology terms
2. Knowledge of biology concepts
3. Basic hands-on lab knowledge and abilities

**Non-biology Category**
4. Chemistry knowledge
5. Reading comprehension in science
6. Knowledge of Latin
7. Writing skills
8. Math to decimals/fractions
9. Math to algebra
10. Math to statistics
11. Math to calculus
12. Physics Knowledge
13. Computer skills

**Study Skill Category**
14. Asking Questions
15. Studying in Groups
16. Explaining Biology to Others
17. Organization of Information
18. Separating Information
19. Note-taking
20. Time Management

**Personal Category**
21. Communication
22. Discipline in the classroom
23. Perseverance
24. Self-confidence/Self-esteem
25. Enthusiasm
26. Independence in studying
27. Delay of gratification for results

**Application Category**
28. Critical thinking
29. Applying biology to real life
30. Problem Solving
31. Integration of biology within subject/across curriculum

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