

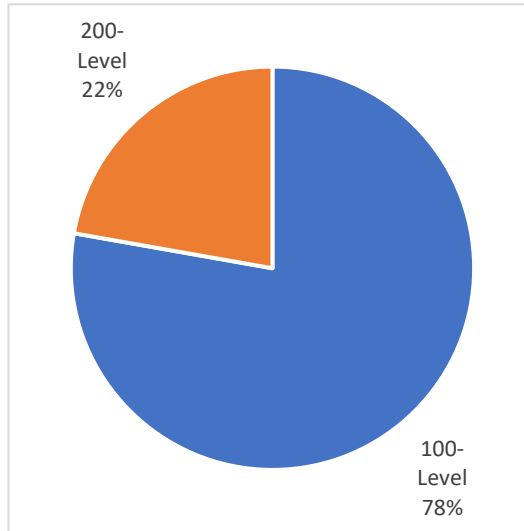
AY22-23 GENERAL EDUCATION SCIENTIFIC LITERACY COMPETENCY

Following a restructure of YC General Education, all student who participate in GE coursework should graduate with several essential skills that students are expected to develop over time. Those essential skills are as follows:

<p><u>COMMUNICATION</u> Written Communication</p>	<p><u>CRITICAL THINKING</u> Quantitative Literacy Scientific Literacy Critical Thinking</p>	<p><u>SOCIAL RESPONSIBILITY</u> Diversity Awareness</p>
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YC assessed Scientific Literacy during the first year using shared rubrics; selected faculty were tasked with student work product selection and submission. The same faculty as reviewed and scored the SWPs.

Work products served as representative samples of Scientific Literacy and were rated using a modified VALUE rubric: 1 = Limited/No Proficiency (1st-year college); 2 = Developing Proficiency (2nd-year college); 3 = Proficiency (completing gen ed-level); 4 = Advanced Proficiency (completing BA/BS level)



27 Student Work Products Submitted by 22 Faculty from 11 Unique Courses

All students with +15 credits in General Education

Course Modality
26% Face-to-Face
59% Online
15% Hybrid



SCIENTIFIC LITERACY COMPETENCY

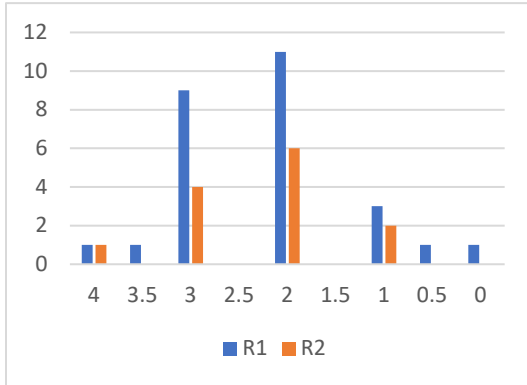
2.19

Scientific Approach	Scientific Information	Scientific Sources
2.31	2.33	2.10
<i>Rubric Criteria</i>	<i>Rubric Criteria</i>	<i>Rubric Criteria</i>
<ul style="list-style-type: none"> • Comprehends the scientific approach 	<ul style="list-style-type: none"> • Produces scientific information in a variety of formats 	<ul style="list-style-type: none"> • Uses scientific sources to support an argument or discussion

Inter-Rater Reliability

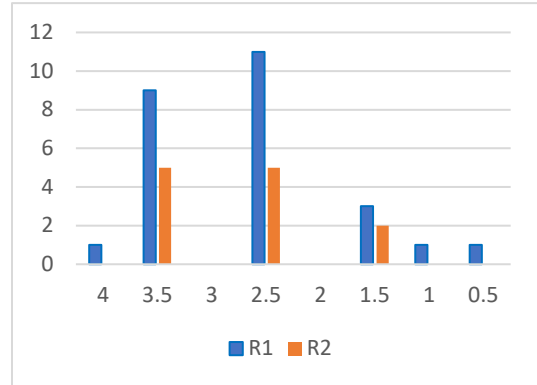
Scientific Approach

15% Agreement



Scientific Information

19% Agreement



Scientific Sources

15% Agreement

