CURRICULAR AREA – SCIENCE

COURSES – BIOTECHNOLOGY, BIOTECHNOLOGY ACCELERATED & LAB RESEARCH

FINAL COURSE MARK DETERMINATION COMPONENTS

AREA OF EVALUATION	DESCRIPTORS OF AREA	PERCENTAGE OF FINAL COURSE MARK
Assessments Including tests, quizzes, projects, labs, practicals and other products	**UNIT TESTS AND QUIZZES** **Purpose** • Assess mastery of course content and skill acquisition • Assess critical thinking • Assess organizational and investigative skills • Assess ability to analyze data **Frequency** • Quizzes – 1 or more per unit • Tests - 1 per unit **Feedback** • Score based upon science rubric and key • Written comments and/or oral review by teacher and students as necessary, both by teacher and students • Student correction of wrong answers **Learning Domains Emphasized**: • Understanding, application, analysis, and synthesis **PROJECTS, PRESENTATIONS OTHER PRODUCTS** **Purpose** • Reinforce knowledge and expand understanding of biotechnology concepts • Enrich content area • Acquisition of research skills • Acquisition of presentation skills • Synthesis of varied concepts	**65-75%**

	and content knowledge into a unified presentation • Provide for varied educational opportunities that build on different learning styles • Provide opportunity to make connections between subject matter and real world **Frequency** • 1-2 per semester **Feedback** • Assessed and scored by teacher • Discussion/review of presentation **Learning Domains Emphasized** • Knowledge, understanding, application , analysis and synthesis --- **LABORATORIES** **Purpose** • Acquisition of investigative skills using scientific method • Support conceptual learning • Practice for mastery of lab skills • Practice collecting and organizing data • Critical thinking, data analysis, drawing logical conclusions **Frequency** • Once per unit **Feedback** • Discussion of labs by teachers and students • Solutions reviewed and discussed **Learning Domains Emphasized** • Knowledge, understanding, application, analysis and synthesis	

Coursework Including class work and homework	**Purpose** • Reinforce knowledge and expand understanding of biotechnology concepts • Preview and preparation for laboratory activities • Expand understanding and use of subject vocabulary **Frequency** • 1-5 per unit/ or as needed **Feedback** • Corrections made • Discussion/review of work • Work reviewed and discussed **Learning Domains Emphasized** • Knowledge, understanding, application and analysis	**10-20%**
Final Examination	**Purpose** • Culminating assessment of global content concepts learned through the semester in biotechnology **Frequency** • End of each semester **Feedback** • Score based upon science rubric and key • Written comments and/or oral review by teacher and students as necessary, both by teacher and students **Learning Domains Emphasized**: • Understanding, application, analysis, and synthesis	**10-20%**
		Total = 100%