

Student Academic Achievement Committee (SAAC) Standardized Report Form

INTRODUCTION

Program /Discipline Title:
Medical Laboratory Technician Program

Time Period:
This report covers the cohort that started Fall 2005 graduated Summer 2006 but not all results were not available in the last report. The current cohort will graduate in December 2007 and will be covered in the Fall 2008 Report.

Program goals, objectives, and/or mission:
Program Goal:

The goal of the Medical Laboratory Technician Program at CNM, as the sponsoring institution in conjunction with the clinical affiliates, is to provide an academic curriculum of applied science to prepare graduates to work in a rapidly changing and dynamic healthcare delivery system.

Program Objectives:

The Medical Laboratory Technician Program will design and implement an academic curriculum that will enable graduates of the program to achieve the exit competencies.

The Medical Laboratory Technician Program will implement three Essential Skills of the profession identified through the Work Keys job profiling program Teamwork, Observation and Locating Information into the curriculum in order to prepare students to keep abreast of the changes in the knowledge base and methodology in laboratory medicine.

Exit Competencies: Upon completion of this program the student will have the ability to:

A	Analytical Testing: Using safe technique, perform waived, point-of-care, moderate and highly complex analytical testing as defined by CLIA88 on body fluids, cells and products accurately as defined by the proficiency standards of the supervising laboratory.
B	Analytical Processes: Perform diverse pre-analytical and post-analytical processes according to lab protocol including the collection of specimens, performance of quality control, quality assurance functions, and using the laboratory information system.
C	Quality Control: Monitor quality control within predetermined limits.

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D	Corrective Actions: Recognize factors that affect procedures and results and take appropriate actions within predetermined limits when corrective actions are indicated.
E	Communication: Demonstrate professional conduct and interpersonal communication skills in interactions with patients, laboratory personnel, other health care professionals, the public and students in compliance with lab policy.
F	Clinical Applications: Determine the relationship between laboratory findings and common disease processes recognizing critical values and taking appropriate action as determined by lab protocol.

Core Competencies:
A Communication
B Teamwork
C Critical Thinking
D Technology

RESULTS***Introduction and discussion of assessment efforts:***

The knowledge exit competency is assessed by results on the national board of registry exam. The two agencies that offer this exam are the American Society for Clinical Pathology and the National Credentialing Agency for Medical Laboratory Personnel. The levels are pass/fail but individual disciplines are described. Students can elect to take one or both of these exams. Some students continuing their education and seeking the B.S. Degree may not choose to sit for this level exam. Some employers do not require this exam to start working but only to advance so some students do not choose to take this exam. This issue will be addressed by the Community Advisory Committee at their meeting in Spring 2008.

The skills and behavior exit competencies are assessed by the clinical preceptors in the advanced clinical rotation in the last term of the program. The competency levels are pass/fail but represent level four skills and behaviors.

The Core Competencies are also assessed by the clinical preceptors in the advanced clinical rotation and are pass/fail. Not all criteria are taught or evaluated but faculty will be introducing them into the curriculum.

Assessment Plan (Who, what, when and how assessment took place):

The knowledge exit competency is assessed after graduation from the program by the certifying agencies described previously.

The skills and behavior competencies are assessed by the clinical preceptors at the end of each rotation in the MLT2890 Clinical Experience at the end of the program.

Exit Competency Results:

A Analytical Testing= 100%	11/11	
B Quality Control= 100%	11/11	
C Corrective Actions= 100%	11/11	
D Communication= 100%	11/11	
E Clinical Applications= 100%	7/7	Four students did not take the exam

Core Competency Results:

A Communication= 100%	11/11
B Teamwork= 100%	11/11
C Critical Thinking= 100%	11/11
D Technology= 100%	11/11

Discussion of changes in support of student learning for PAST year based upon your assessment results:

The Clinical Applications results which are in the Knowledge Domain were a concern so a Perkins-funded proposal was written to revise the MLT Curriculum and the sequencing of courses. The revised curriculum was implemented Fall 2006. It included spreading out the core curriculum over 4 terms instead of 3 terms in order to promote the internalization of knowledge. Block scheduling for the advanced courses was started for immersion learning to take place. The three essential skills of Teamwork, Observation and Locating Information were added to the curriculum. A new course called Student Success Seminar was started to better prepare the students for clinical rotations and employment. Content on lab inspections and training new employees/ students was included in this course in order to meet the Standards for the educational program. The Critical Thinking and Technology Competencies were added to the curriculum.

Discussion of proposed changes in support of student learning for COMING year based upon your assessment results:

The assessment results for the current cohort will be the result of the revised curriculum. The results will be evaluated to determine if the revised curriculum improved scores on the BOR exam and performance in the clinical experiences.

Plans for assessment of all Core Competencies

The assessment of Teamwork, Observation and Locating Information will be completed by the end of the Fall 2007 Term. The MLT Faculty will evaluate the teaching of essential skills in the curriculum and expand where appropriate.

DATA

What tools did you use to measure the Exit Competencies?

National Board of Registry Exams (Scores on this exam are Quantitative Data)

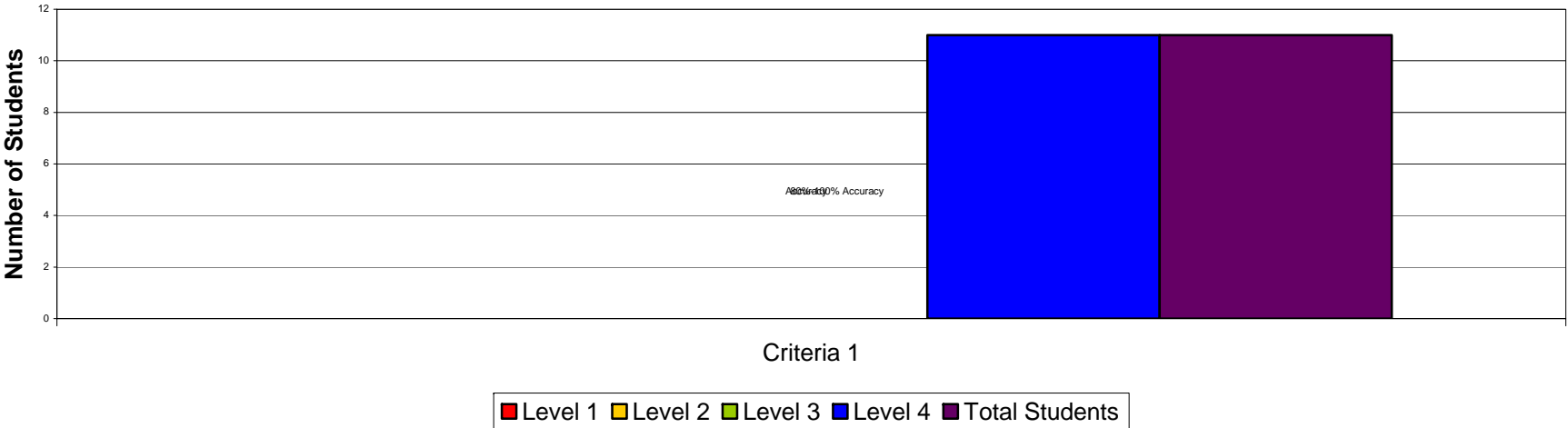
Advanced Clinical Evaluations (Evaluations are pass/fail based on the proficiency standards of the supervising laboratory)

Please attach Core Competency Rubrics if modified.

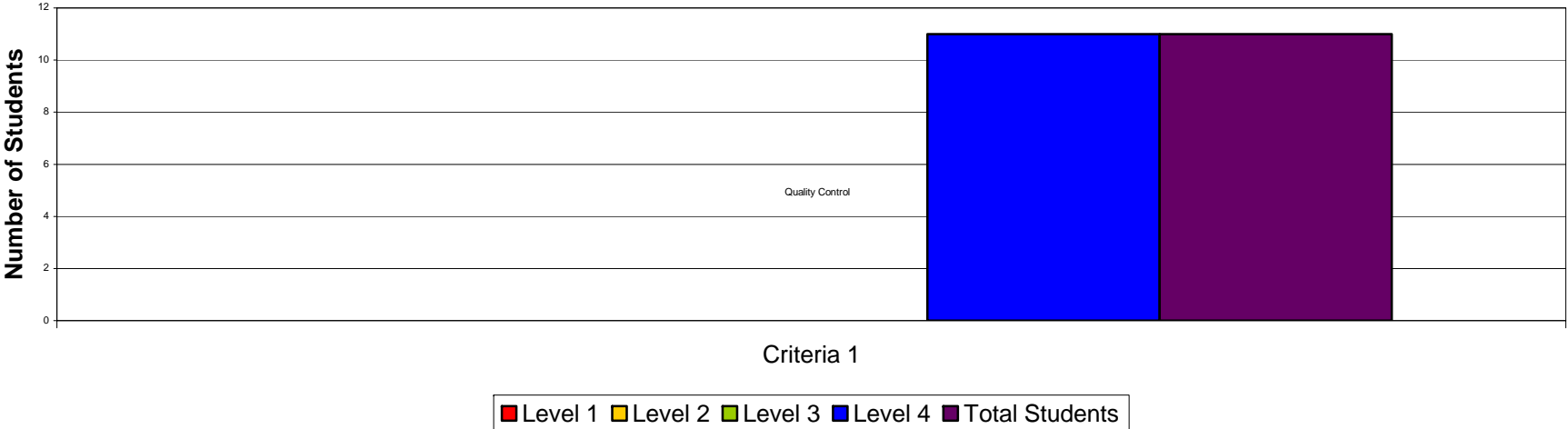
Additional assessment results:

Histograms of Exit Competency Results:

Analytical Testing

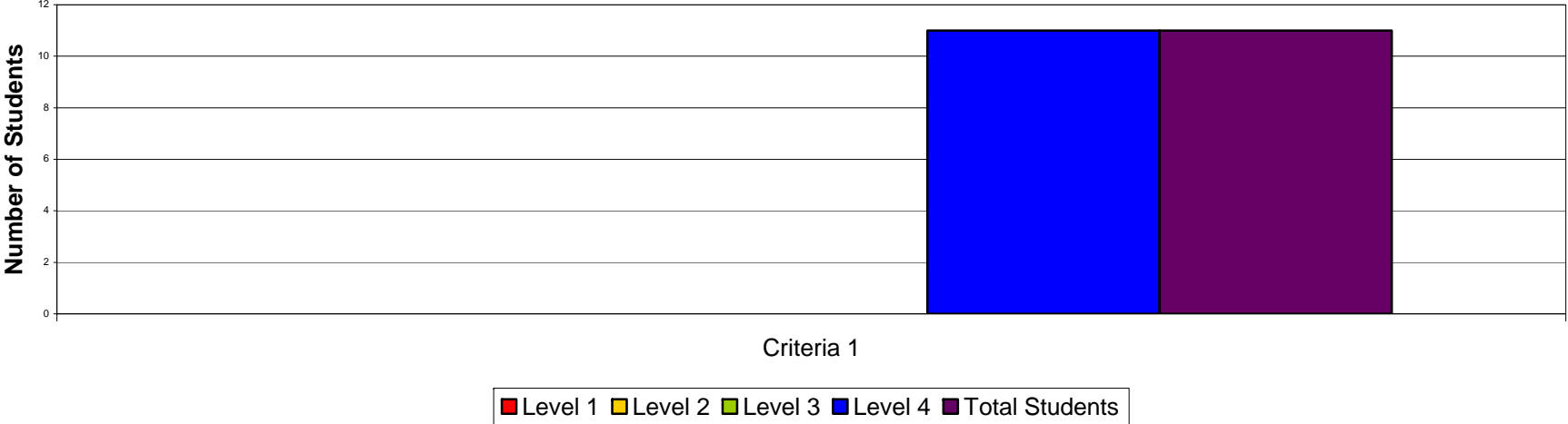


Quality Control

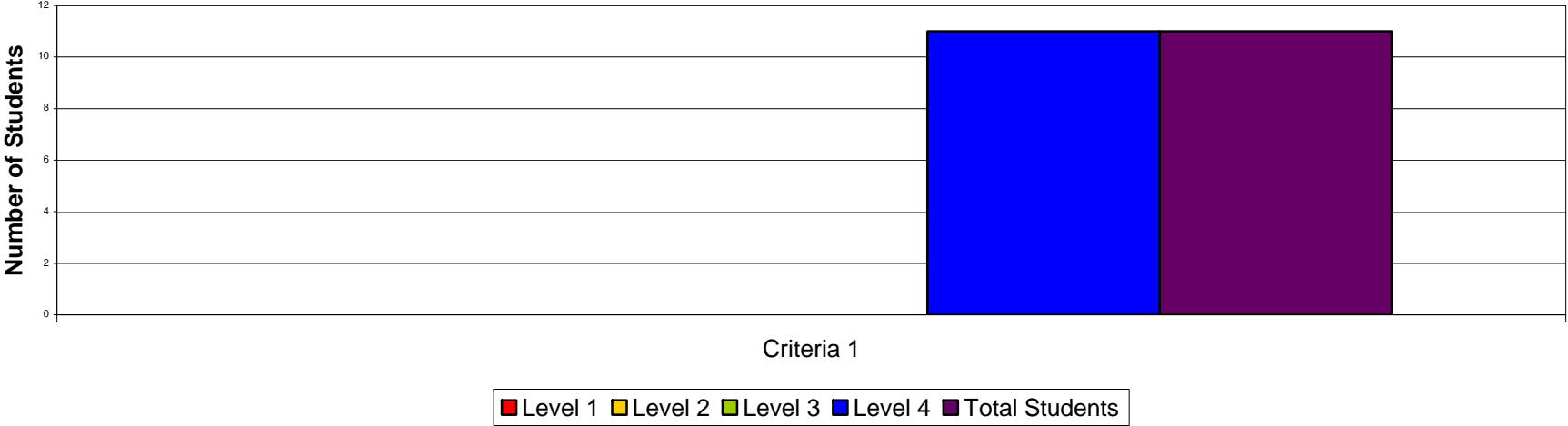


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Corrective Actions

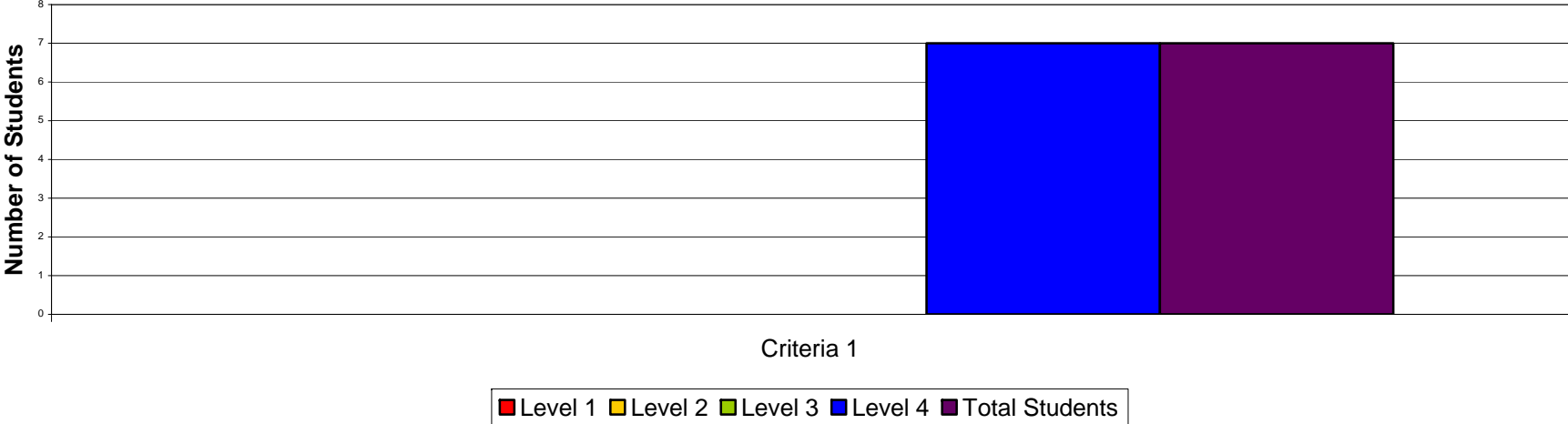


Communications



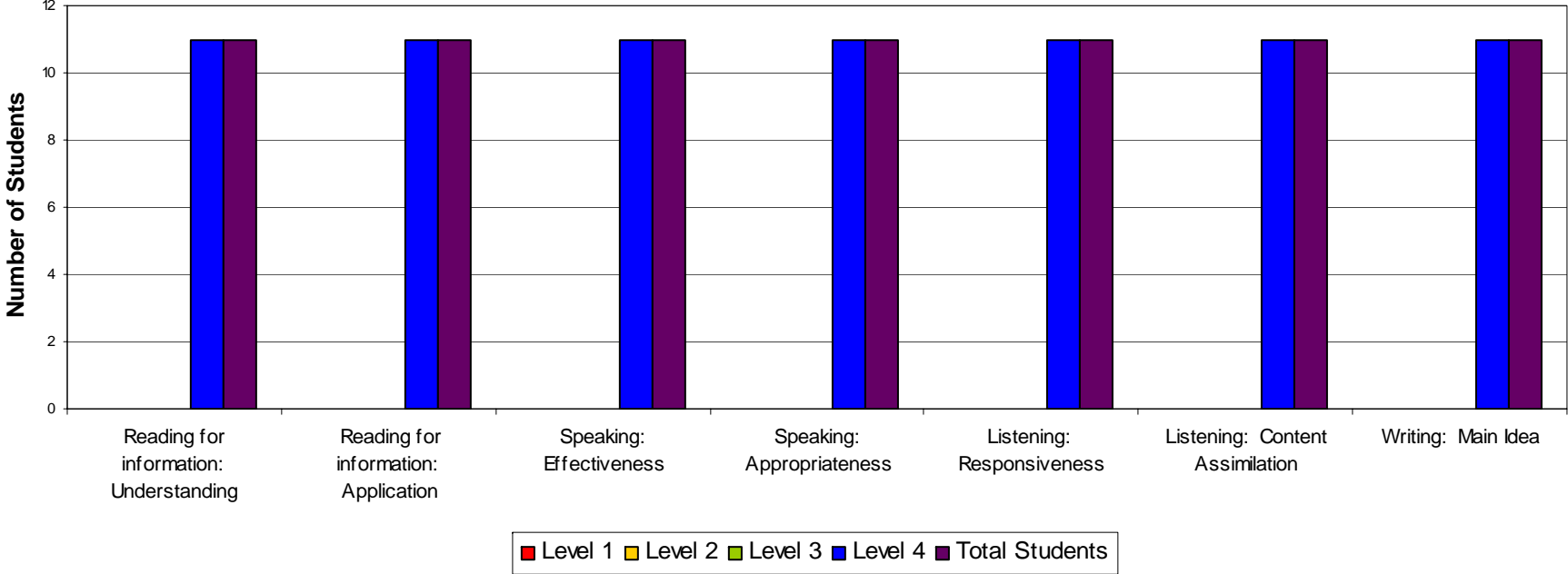
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Clinical Applications



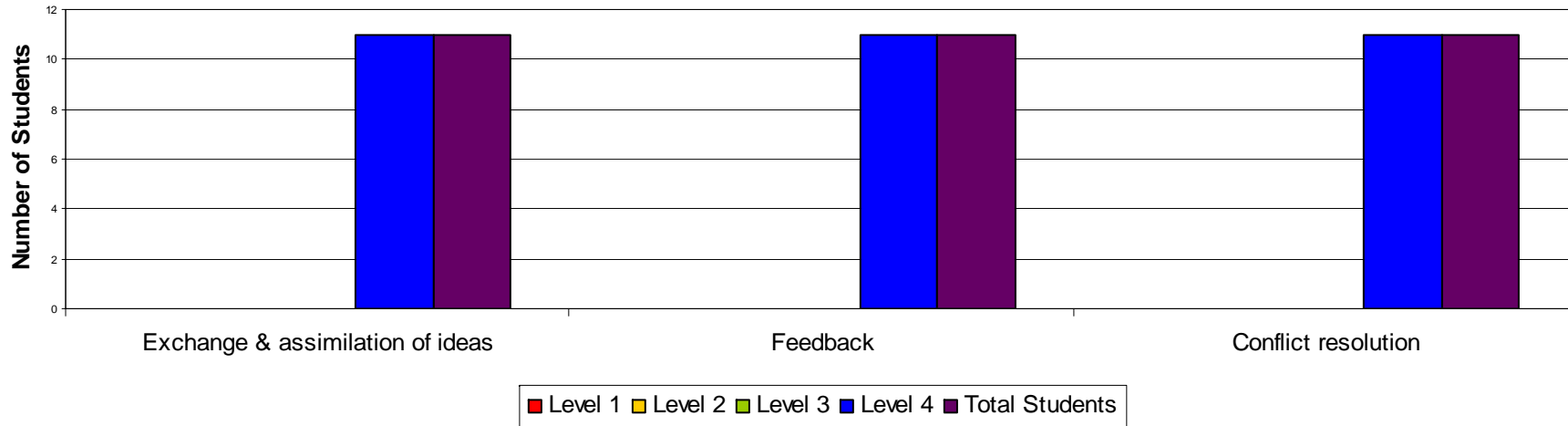
Histograms of Core Competency Results:

Communication



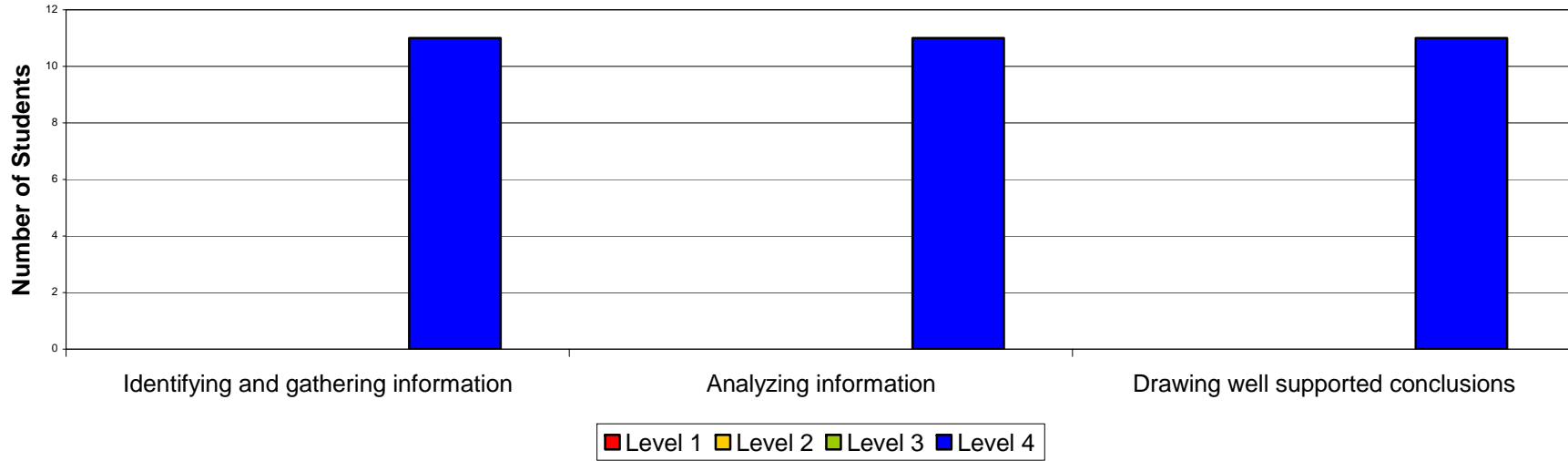
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Teamwork: Works cooperatively with others to accomplish a task with limited resources and competing concerns



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Critical Thinking



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Technology

