

"Planning for the Future"

Technology Fluency 2010-2011

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The Mountain Brook Technology Curriculum is an integrated, interdisciplinary program that is effective, challenging, and engaging. The Mountain Brook Schools' technology curriculum reflects the dynamic, fluid nature of technology. Our ultimate goal is to prepare students to own their knowledge of current technologies in order to transfer their learning for the successful use of technologies yet to be developed. High quality work, projects and assignments, should meet the following criteria:

Curriculum Focus	Design student work that serves as evidence of mastery of particular curriculum standard(s)--work that assesses a deep understanding of content knowledge.
Technology Standards	Design work so that students demonstrate a mastery of numerous technology and/or media literacy skills though their ability to produce the work. The work should assess a deep understanding of the particular technology or media literacy skills.
Student Involvement and Engagement	Design work so that students are directly involved in the production of the work. Students will be authentically engaged if the work is relevant to them.
Innovation and Creativity	Design work so that students must demonstrate a unique approach, innovation, creativity, and/or authenticity.
Student Ownership	Design work so that students are allowed to make choices in their approach to the task.

Teaching technology standards...

Elementary

For the 2004-2009 school years, the elementary schools did not require written documentation from the individual teacher that the technology skills in the technology curriculum were taught. The professionalism of the teachers was relied upon to assure that technology standards were taught to all students. During the 2008-2009 curriculum process, elementary teacher representatives on the committee developed documentation forms for each grade level K-6. Beginning with school year 2009-2010 and with the implementation of the Technology Education Curriculum adopted by the Board of Education May 2009, classroom teachers will use the elementary documentation forms included at the end of this report to document the teaching of the grade level standards and to share project ideas. Forms are also posted on the website-- <http://www.mtnbrook.k12.al.us/cms/Documentation/11360.html>.

Each teacher will submit the documentation sheet(s) to their assistant principal prior to the end of the school year.

- Kindergarten through fourth grade teachers will submit two class project documentation sheets on two high quality projects where they integrate their technology standards into their curriculum.
- Fifth and sixth grade teachers will submit one class project documentation sheet on one high quality project where they integrate their technology standards into their curriculum.
- All technology standards have to be documented, so teachers will submit as many other documentation sheets as needed on the curriculum activities their students are completing that show that they are meeting all of the technology standards. These activities might include using an interactive website, viewing a presentation, or participating in a discussion.
- Each kindergarten-fourth grade teacher is to cover all standards in the grade level technology curriculum.
- Each fifth and sixth grade teacher is to cover all standards that are listed as ALL and HR and any standard listed for their specific curriculum. These standards are listed in the Grades 5_6_Combine_Who document that the 2009 Technology Curriculum Committee 5th and 6th grade representatives created. (Attached)

It is the responsibility of the assistant principal to monitor the teaching of the skills throughout the year. Documentation sheets will be kept on file by the assistant principal until the student graduates from high school.

Junior High

For the past six (6) years, all junior high core teachers submitted a checklist, work sample and directions for a technology project completed during the year. This documentation was submitted to the assistant principal at the end of each school year. Beginning with school year 2009-2010, and with the implementation of the Technology Education Curriculum adopted by the Board of Education May 2009, core teachers at the junior high level will use the new junior high documentation forms included at the end of this report. Forms are also posted on the website--<http://www.mtnbrook.k12.al.us/cms/Documentation/11360.html>.

These forms, along with examples of student projects, will be turned in to the assistant principal throughout the year but no later than the last day of school. It is the responsibility of the assistant principal to monitor the teaching of the skills throughout the year. Documentation sheets will be kept on file by the assistant principal until the student graduates from high school.

High School

Prior to the adoption of the new Technology Education Curriculum, all high school core subject teachers were provided with a checklist delineating the technology standards he/she was responsible for teaching. This checklist along with samples of projects and assignments was turned in to each department chairman each year. New documentation sheets have been developed in conjunction with the adoption of the new technology curriculum. Core subject teachers will use the new forms attached to this document. Forms are also posted on the website--<http://www.mtnbrook.k12.al.us/cms/Documentation/11360.html>. These forms along with examples of student projects will be turned in to the assistant principal throughout the year but no later than the last day of school. It is the responsibility of the assistant principal to monitor the teaching of the skills throughout the year. Documentation sheets will be kept on file by the assistant principal until the student graduates from high school.

Proficiency of technology standards...

Elementary

For the 2009-2010 school year, all elementary schools met the requirement of documentation sheets at all grade levels at 100%, as reported by the assistant principal at each school.

Junior High

The state of Alabama requires a ½ credit technology class, Computer Applications, for graduation with a Standard Diploma, Advanced Diploma, Advanced Diploma with Honors (Mountain Brook only) or Credit Based Diploma. This class may be waived if competencies outlined in the Computer Applications course are demonstrated to qualified staff in the local school system (see page 4 “Local Waivers for the Computer Applications Course” in the Alabama Course of Study: Technology Education.) Mountain Brook Schools use the documentation of standards taught at each grade level, sample projects, and the technology proficiency test results as indicators to determine if the competencies are met.

Second semester of the 8th grade year, students will take a 21st Century Skills Assessment. Results of this exam will be reported in the spring of each year to the District Technology Coordinator, Director of Instruction, Special Education Director and Junior High and High School administration. Any student who does not demonstrate a high level of proficiency will be flagged and reported to the 9th grade counselor.

Once proficiency has been demonstrated to qualified staff or after a student successfully passes the Computer Applications class, a notation will be made on each student’s transcript that technology proficiency has been achieved.

Since the new standards and this plan are new for 2009-2010, 9th graders not currently enrolled in Computer Applications will be tested the first and second semester of 2009.

High School

Beginning in the fall of 2010, students who have not demonstrated technology proficiency by the fall of their tenth (10th) grade year will be required to enroll in the Business Technology I course. Exceptions can be made for special circumstances. This course meets the same requirements as the Computer Applications class. Successful completion of this class will document proficiency of these standards.

Junior High Technology Assessment

2009-2010

The technology coordinator at Mountain Brook Junior High administers the assessment during fall semester to ninth (9th) grade students.

Mountain Brook Junior High Assistant Principal of Curriculum and Instruction notifies students of the results and schedules additional assessment dates as needed. Tutoring sessions are offered during the school day. Students may elect to enroll in the Computer Applications course second semester, rather than retaking the assessment.

The technology coordinator at Mountain Brook Junior High administers the test again in March to ninth (9th) grade students who were absent on the first testing date and to all eighth (8th) grade students. The Mountain Brook Junior High Assistant Principal of Curriculum and Instruction notifies students of the results and may schedule additional testing dates as needed. The technology coordinator at Mountain Brook Junior High may administer a final make-up in April or early May.

In January, Mountain Brook Junior High personnel mailed letters to 9th grade students notifying them if the technology proficiency has not been met and of available options offered at Mountain Brook High School. Mountain Brook Junior High personnel add the appropriate information to the transcripts of students who passed the test.

A complete list of students not fulfilling the competency requirement is sent to Mountain Brook High School by the 9th grade counselor. Mountain Brook High School will add the appropriate information to the student transcripts once these students meet the requirement in grade 10, 11, or 12. It is the responsibility of the High School Assistant Principal of Curriculum and Instruction to ensure that all Mountain Brook High School seniors meet the Alabama High School Graduation requirement.

Beginning 2010-2011

Only eighth (8th) grade students and exceptions will be tested. Mountain Brook Junior High Assistant Principal of Curriculum and Instruction notifies students of the results and schedules additional assessment dates as needed. Students may elect to enroll in the Computer Applications course second semester, or in 9th grade, rather than retaking the assessment.

The technology coordinator at Mountain Brook Junior High may administer the test again in the spring to eighth (8th) grade students who were absent on the first testing date, or eighth (8th) grade students who did not demonstrate proficiency and did not enroll in Computer Applications second semester. The Mountain Brook Junior High Assistant Principal of Curriculum and Instruction will notify students of the results and may schedule additional testing dates as needed. The technology coordinator at Mountain Brook Junior High may administer a final make-up in April or early May if needed.

By May of a student's ninth (9th) grade year, Mountain Brook Junior High personnel will mail letters to students notifying them if technology proficiency requirements have not been met and of available options offered at Mountain Brook High School. Mountain Brook Junior High personnel add the appropriate information to the transcripts of students who passed the test or the course.

A complete list of students not fulfilling the competency requirement is sent to Mountain Brook High School by the 9th grade counselor. Mountain Brook High School will add the appropriate information to the student transcripts once these students meet the requirement in grade 10, 11, or 12. It is the responsibility of the High School Assistant Principal of Curriculum and Instruction to ensure that all Mountain Brook High School seniors meet the Alabama High School Graduation requirement.

Basic Facts

- In the past, the test was given for the first time to all ninth (9th) grade students.
- Beginning spring 2010, students will be tested in the eighth (8th) grade.
- For the fall 2010 test, there were 72 questions on the test.
- There were 6 major areas covered by the on-line test. They were as follows:
 - o 12 questions Communication and Collaboration
 - o 12 questions Creativity and Innovation Proficiency
 - o 12 questions Solving and Decision Making Proficiency
 - o 12 questions Digital Citizenship Proficiency
 - o 12 questions Research and Information Fluency
 - o 12 questions Technology Operation and Concepts Proficiency

MBJH Fall 09 (9th) and Spring 10 (8th) Results

- 31% or 106 out of 388 9th grade students taking the assessment scored in the Advanced Proficiency Range.
- 60 % or 204 out of 388 9th grade students taking the assessment scored in the Proficient Range.
- Eight (8) of the 28 students that scored in the Basic Range enrolled in the computer applications class at MBJH for second semester.
- Twenty (20) students that scored in the Basic Range that did not enroll in the MBJH computer applications class will have the opportunity to enroll in the Business Technology I course.
- 22% or 72 out of 327 8th grade students taking the assessment scored in the Advanced Proficiency Range.
- 66% or 218 out of 327 8th grade students taking the assessment scored in the Proficient Range.
- 11 % or 37 out of 327 8th grade students taking the assessment scored in the Basic Range.