

Modifications/Accommodations for Special Education in Mathematics

7th & 8th Grade

RMT Mathematics department will implement the following modifications/modifications based in individual student ability. The modifications/accommodations will included but are not limited to modify assignments to ability level, provide organization/structure “routines” and assistance, priority/preferential seating, provide individual assistance/direct instruction, provide frequent encouragement/positive reinforcement, provide frequent opportunities to respond/request questions, provide signals/cues to communicate and support, provide firm limits, allow oral responses to written essay questions, use computer, calculator, audio materials where necessary, extended time for tests, assignments, experiences restate, reword, clarify and or have students do the same, provide tactile, visual manipulatives to assist in understanding, provide study guides, copies of notes, and content information, redirect to keep focused, provide breaks when frustration levels rise, check agenda book and homework folder regularly, re-teach lesson using small group instruction, monitor progress during lessons, shorten “chunk” assignments to focus on mastery of key info, use mnemonic devices, provide word banks, and graphic organizers. Changes will be made in materials or procedures which do not change the standards but allow the students to work within the common core. Students will have access to technology, devices, and specific services to allow for exposure to the general education curriculum and the common core state standards. Students with severe cognitive disabilities will require substantial supports and accommodations to have meaningful access to certain standards to both instructional and assessment, based on their communication and academic needs.

Integration of Technology for Mathematics

RMT Mathematics department will integrate technology in, but not limited to, the following ways. A list of valid and trustworthy applications will be compiled for students to use in and out of school. Mimio and Promethean boards will be used in the classrooms. Smart boards can be used to display notes and Power Points to the entire class, but also provide opportunities for interactive learning. Students will have limited access to laptop carts to use during class for individual and cooperative learning experiences. Teachers and students will have access to the Mimio pad to use in conjunction with the Smart Board. Teachers will use a wide variety of internet math websites to supplement learning in the class room. Teachers also have access to the online textbook for supplement materials.

Examples of Specific Websites and Applications:

- Wuzzit Trouble
- Motion Math
- Dragon Box
- Math Breakers
- Brain Pop
- IXL
- Scholastic.com
- Purplemath
- Mathematics Assessment Project Assessing 21st Century Math
- <http://map.mathshell.org/materials/index.php>
- National Numeracy for everyone, for life
<http://www.nationalnumeracy.org.uk/resources/91/index.html>
- Holt McDougal Online Common Core Online
- <http://my.hrw.com/index.jsp?url=http://my.hrw.com/tabnav/controller.jsp?isbn=9780547687698>
- Interactive Common Core State Standards
<http://www.shodor.org/interactivate/standards/organization/354/>
- Dan Meyers 3 Acts Math
- <https://docs.google.com/spreadsheet/lv?key=0AjIqyKM9d7ZYdEhtR3BJMmdBWnM2YWxWYVM1UWowTEE&toomany=true>
- Aims Math and Science Sandbox
- <http://blog.aimsedu.org/>
- Innovative Designs for Education
<http://www.idecorp.com/>
- Common Core State Standards Initiative
<http://www.corestandards.org/Math/Content/7/introduction/>
- Ted Ideas Worth Spreading: Education
<http://www.ted.com/topics/education>
- Mindset Works
<http://www.mindsetworks.com/free-resources/>
- Illuminations: Resources for Teaching Math
<http://illuminations.nctm.org/Content.aspx?id=58>
- Wolfram Mathworld: the web's most extensive resource
<http://mathworld.wolfram.com/>
- Common Core Blogs
<http://commoncoretools.me/>