Secondary Teacher Education Program in Mathematics
University of Massachusetts Amherst
Mathematics Grade level 5-8 SUBJECT MATTER KNOWLEDGE WORKSHEET

Name: __________________________________________________________

Undergraduate Institution and Major: ________________________________________________________________

Graduate Institution and Program of Study: ____________________________________________________________

Please indicate how your course work or other experience satisfies each of the following requirements:

<table>
<thead>
<tr>
<th>Course Title and Number</th>
<th>Semester</th>
<th>Year</th>
<th>Grade</th>
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(a) Algebra: ________________________________________________________________

(b) Euclidean Geometry: ____________________________________________________

(c) Trigonometry: __________________________________________________________

(d) Discrete/Finite mathematics: ____________________________________________

(e) Introductory calculus through integration: _________________________________

(f) History of mathematics: ________________________________________________

(g) Use of technology: _____________________________________________________

Subject matter requirements have been checked and ________________________________ has completed the requirements for Initial Licensure in Mathematics at the 5 - 8 grade level.

Licensure Advisor ________________________________ Date ____________________
SUBJECT MATTER KNOWLEDGE

Guidelines for Students Seeking Licensure in Middle School Mathematics
Massachusetts Subject Matter Knowledge Requirements for Mathematics
(Grade Level: 5-8)

(a) Algebra
(b) Euclidean Geometry
(c) Trigonometry
(d) Discrete/Finite mathematics
(e) Introductory calculus through integration
(f) History of mathematics
(g) Use of technology

Subject matter knowledge in Mathematics at the 5-8 level for Initial Licensure can be demonstrated by successful completion of appropriate course work and by passing the MTEL in mathematics at the 5-8 level. The minimum course work required is at least two semesters of calculus (through integration) and statistics, or their equivalents. Often candidates must take additional courses to fulfill requirements (f) and (g).