Magnet Program Credit Evaluation

Montgomery Blair High School
Counseling Department

Name: _____ ID#: _____

Science (4 credits in 9th & 10th)

____ 1.00 Adv Sci 1: Physics (Fall 9th)
____ 1.00 Adv Sci 2: Chemistry (Spring 9th)
____ 1.00 Adv Sci 3: Earth Space Systems (Fall 10th)
____ 1.00 Adv Sci 4: Biology A/B (Fall/Spring 10th)

Engineering (1.5 credits in 9th, 10th, & 11th)

____ 0.50 Resrch/Exp A/B (Fall/Spring 9th)
____ 1.00 Prin. of Engin A/B (Spring 10th/Fall 11th)
*POE meets the regular technology requirement for MCPS graduation

Computer Science (2 credits in 9th & 10th)

____ 1.00 Fund of Comp Sci A/B (Fall/Spring 9th)
____ 1.00 Algorithm/Data A/B (Fall/Spring 10th)

Or (by teacher recommendation only)

____ 0.50 Fund of Comp Sci A (Fall 9th)
____ 1.00 Algorithm/Data A/B (Spring 9th/Fall 10th)
____ 0.50 Analysis of Algorithms (Spring 10th)

Math (4 credits including completion of Magnet Analysis A/B)

____ 1.00 Magnet Geometry A/B (Grade 9 only if needed or recommended)
____ 1.50 Magnet Precalculus A/B/C or Magnet Functions A/B (1.0 credit)
____ 0.50 Magnet Analysis A*
____ 0.50 Magnet Analysis B*

*Magnet Analysis required for magnet graduation (or AP Calculus by magnet coordinator approval only)

Electives (4.5 credits required between 11th & 12th*)

***Courses taken prior to junior year may not count towards the 4.5 credit requirement**

____ 0.50 Advanced Geometry
____ 0.50 Analysis of Algorithms
____ 0.50 Analytical Chemistry
____ 0.50 Applied Statistics
____ 0.50 Artificial Intelligence with LISP
____ 0.50 Astronomy
____ 0.50 Biological Chemistry
____ 0.50 Cell Physiology
____ 0.50 Complex Analysis
____ 0.50 Computational Methods
____ 0.50 Computer Graphics
____ 0.50 Discrete Mathematics
____ 0.50 Entomology
____ 0.50 Foundations of Immunology
____ 1.00 Intro to Genetic Analysis (DP)
____ 0.50 Linear Algebra
____ 0.50 Logic
____ 0.50 Marine Biology
____ 0.50 Materials Science
____ 1.00 Mathematical Physics
____ 0.50 Modeling & Simulation
____ 1.00 Multivariable Calculus (Analysis 2)
____ 0.50 Optics
____ 0.50 Organic Chemistry
____ 0.50 Origins of Science
____ 0.50 Physical Chemistry
____ 0.50 Plate Tectonics/Oceanography
____ 0.50 Quantum Physics
____ 0.50 Robotics (RSRCH/EXP: ENG PS)
____ 0.50 Senior Research Project A
____ 0.50 Senior Research Project B
____ 0.50 Sr Sem in Statistical Rsrch A (Political Stats)
____ 0.50 Sr Sem in Statistical Rsrch B (Sports Stats)
____ 0.50 Software Design
____ 0.50 Thermodynamics
____ 0.50 3D Graphics (Guided Research A 2977 11)
____ 1.00 AP Biology, AP Physics, AP Chemistry or AP Environmental Science*

*Up to 1 credit of these AP science courses can be applied toward the 4.5 credit requirement.

Elective Credits Earned: _____ **Elective Credits Needed: _____**

_____ _____
Student Signature Date Counselor Signature Date

REV 6/15