

# 2017 Virginia Highlands Summer Regional Governor's School

## Mathematical Modeling Application

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ School \_\_\_\_\_

Age \_\_\_\_\_ Present Grade Level (as of Spring 2017) \_\_\_\_\_

College Preparatory Mathematics Courses Completed:

Science Courses Completed:

This course is designed to help you develop the sort of thinking skills, motivation, independence, self-reliance, work habits, and intellectual curiosity desperately needed by our society, demanded by the best employers, and expected by top colleges and universities. What advantages do you see as a result of your participation in such a program?

This course will require two weeks of full-time, 40-hour-per-week concentrated effort, college-level maturity and decision making, and a high degree of responsibility. Write a statement describing how you will manage these expectations.

Describe your interest in science and mathematics. What interests you most? Do you plan to pursue more science and mathematics in college than required for a basic general degree? Do you plan to pursue a career in which your science and mathematics education, either through the intellectual skills they develop or through direct application of scientific knowledge, play a significant role?

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## Mathematical Modeling

### Teacher Recommendations

The applicant is competing with other gifted/talented students for admission to the VHCC Summer Governor's School program in Mathematical Modeling in the Sciences. This is a very challenging program. It makes strong intellectual and personal demands on the student, requiring not only high aptitude and motivation but excellent study habits, a high degree of responsibility, and considerable maturity in meeting academic challenges. You are being asked to assess this student in comparison with other gifted/talented students eligible for this program. Interpretation of the possible responses is as follows:

High = significantly better than the majority of gifted/talented students

Typical = on the same level as the majority of gifted/talented students

Low = significantly less than the majority of the gifted/talented students

No response = insufficient knowledge to permit response

Please assess the candidate in comparison to other identified gifted/talented students on each of the following criteria. You are encouraged to comment, especially when the rating is any other than typical.

Elevated motivation level

High  Typical  Low  No Response

Please explain:

Estimated Level of Study Skills

High  Typical  Low  No Response

Please explain:

Estimated Ability to Adapt to Academic Demands

High  Typical  Low  No Response

Please explain:

Estimated level of interest in science and mathematics

High  Typical  Low  No Response

Please explain:

Overall Assessment of Academic Aptitude

High  Typical  Low  No Response

Please explain:

Overall Assessment of Academic Performance

High  Typical  Low  No Response

Please explain:

Overall assessment of applicant's work habits

High  Typical  Low  No Response

Please explain:

Overall assessment of appropriateness of student for Governor's School course

High  Typical  Low  No Response

Please explain:

Please add any additional comments that you believe would be of value in the selection process