

Welcome to Curie Learning's 5<sup>th</sup> Level English & Math Advancement courses. Our advancement classes are designed to progress your child's education and keep them one year ahead of their current grade level. Below you will find the topic overviews for what is taught in both classes. The classes are held for two hours (one hour each). The class schedule information is as follows:

Day:

Time:

### English Topics include:

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1. Expansive understanding of Parts of Speech
2. Elaborated review of Punctuation
3. Creating various Sentence Construction
4. Expansive review of Common Errors
5. Understanding Paragraph Structures
6. Creating Persuasive Writing
7. Developing Explanatory Writing
8. Understanding Informative Writing
9. Provide vocabulary words each week with quizzes once a month

### Math Topics include:

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1. Probability and statistics
2. Exponents and square roots
3. Ordering fractions, mixed numbers and decimals
4. Ratio, proportion and percentage
5. Operations with decimals
6. Geometry: Parallel, intersecting and Perpendicular lines. Perimeters and areas of polygons and circles. Surface areas and volumes of 3 dimensional shapes including cylinder, pyramid and cone
7. Introduction to graph
8. Algebra: Variable expressions and simplifying expressions. Solving single variable equations. Plotting two variable equations. Solving two variable equations
9. Scaling: Map reading

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