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Education Connects

Raven Progressive Matrices for K - Class Syllabus

Objective:

Raven Progressive Matrices are commonly used as an entrance exam for gifted programs all over the country. This class will teach students how to identify different patterns and effectively use problem-solving skills and abstract reasoning to answer Raven Standard Progressive Matrices. Students will improve their logical and creative thinking skills.

Prerequisites:

This class is designed for students currently in kindergarten and first grade. All students should be in one of the appropriate grade levels to ensure that they learn the material best suited to their capabilities.

Class Structure:

Raven Standard Progressive Matrices require a large amount of practice in order to improve a person's score. At the beginning of class, a new topic will be introduced and practice problems will be done with the students to extend their understanding. At the end of class, homework will be given for students to work on and will be reviewed in the next class.

Class Schedule and Overview:

Class 1: Class Overview and Pre-Test
Class 2: Pattern Cutouts
Class 3: Mirrors & Reflections
Class 4: Color & Shading Differences
Class 5: Size Changes
Class 6: Row Addition & Subtraction
Class 7: Rotations
Class 8: Serial Reasoning
Class 9: Spatial Visualization
Class 10: Final Review and Final Exam

About the teacher:

Angelina Xu is an eighth-grader at Roberto Clemente Middle School in the Math and Science program. For high school, she will be going to the IB Program at Richard Montgomery High School. She took the CogAT (Cognitive Abilities Test) in eighth grade as an entrance exam into Montgomery County's magnet programs. The CogAT test includes sections that are similar to the Raven Progressive Matrices. She has taken AMC 10 and participated in the regional Science Olympiad competition. She is a two-time national finalist in eCYBERMISSION, a STEM competition organized by the US Army.

THANK YOU!!