

2023-24 Algebra Readiness and Problem Solving

This online class targeted at 6th graders covers the material in a typical 7th grade Pre-Algebra course. In addition, there will be activities that give students practice in reasoning and problem solving and projects constructing complicated objects from simple components.

Class Format

The class will meet via Zoom meetings with each week's lesson being self-contained.

Class Content

This class consists of paper and pencil activities and constructing 3D objects out of paper and cardstock or poster board. The first part of each session will have paper and pencil activities covering both topics in a pre-algebra course (operations with fractions, exponents; operations with negative numbers, algebraic expressions) and activities that involve reasoning and problem solving.

In the optional second part of each session, students will make and assemble components to create 3D geometric objects out of paper, cardstock or posterboard.

Materials Needed

All of the materials for the paper and pencil activities class are emailed the day before each class in a pdf file and students need to have printed these before the class starts.

If a student wants to participate in making 3D geometric objects, then a hot glue gun, scissors, ruler, ballpoint pen, scotch tape and posterboard/chipboard/cardstock paper will be needed. Sheets of white posterboard can be obtained at the Dollar Tree for 50 cents per 20 x 28 inch sheet. Cereal boxes also work well. Templates to make the components to be will be provided.

Class Cost

The class is free.

Class Schedule

Tuesdays 3:45 – 5:15pm

How to Apply

Contact the instructor at the email address below. In your email, state your name, contact information, the student's name, his/her teacher and grade level and whether the student would like to participate in the optional making of objects.

Instructor Contact

Bob Suits

edesignforkids@gmail.com

Application Form

Algebra Readiness and Problem Solving (online class)

2023-2024 William Land Elementary School Enrichment Program

This class targets 6th graders but 5th graders will be considered as many of the activities are appropriate for that level.

Please email the following information to the instructor by September 17, 2023.

Student

Name: _____ Teacher: _____ Grade: _____

Parent/Guardian

Name: _____ Best Phone Number to Contact: _____

Email: _____

Class Schedule

Tuesdays 3:45 – 5:15 pm

The first half of the online class involves paper and pencil activities concerning algebra preparation and problem-solving tasks. The second half of the class consists of making 3D geometric objects out of posterboard/cardstock/chipboard.

Instructor Contact

Bob Suits

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