Although we only encounter mathematics in the classroom, we know it is everywhere. For example, some of them out the classroom is nature and history. We have decided to research how we use mathematics in nature and history. We are going to make some calculations with our students for a week in nature. Then, we are going to go to historical places or museums in our city for a week in order to research mathematics in the past. Moreover, we are going to visit some museums in the world virtually in order to examine mathematical structure. In the end, students will find connections between nature and history.
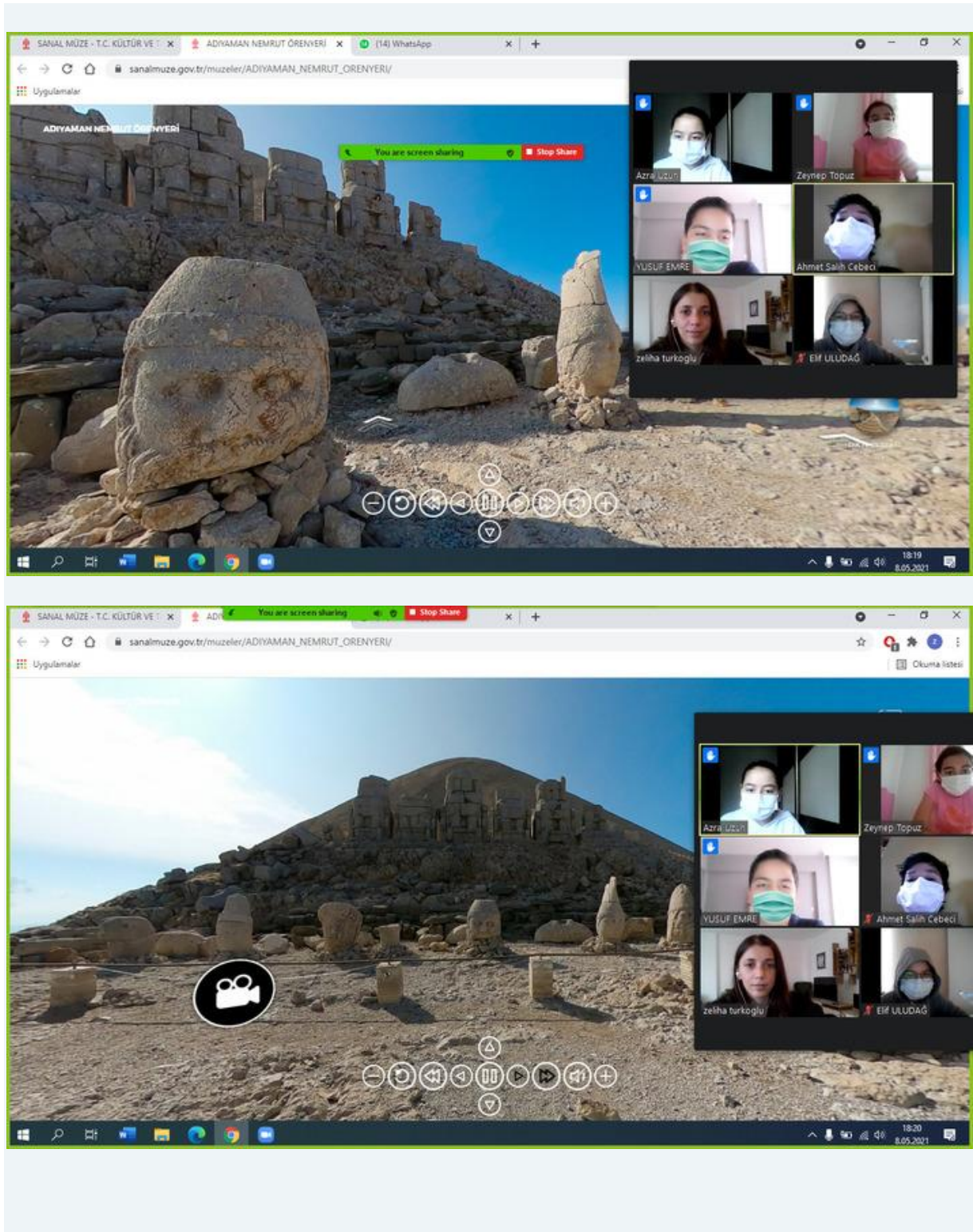
The Working Plan of Project

ARCH ACTIVITIES	- Looking for partners - Whatsapp group is set up - Introducing with partners on online meeting via Zoom and making distribution of tasks - Social media accounts are opened. - Informing students about the Project. Then, parent permission certificates are wanted from students.

	- Students are informed about eSafety - Students are saved to twinspace system and are given password to students - Designing logos. Every student designs their school's logo. That is, every school must have one logo representing their own school. - The logo of project is chosen among schools' logos as surveying.(by CANVA) - Every school prepares their own posters and surveying for them. - Students and teachers introduce themselves by videos or other tools. (by BITMOJI CLASSROOM AND CHATTERPIX) - The introduction of history and nature of cities are prepared by students and teachers
MAY ACTIVITIES	- Pretest are prepared for students and sent to them. - Visiting one historical place (museums, and the oldest place of your city) with your students. Visiting is realized virtually because of pandemic. Taking notes are took about place. Especially mathematical issues (shapes or other topics). Page in twinspace related to this is opened and the findings of your students are written. - Every student choose one tree.They find the diameter and radius of tree by formula of disk's circumferences.They find the height of that tree by measuring shadow lenght from ratio or other methods. - Activities like competition are done in Nature if there is no risk for Covid-19 (For example, related to GPS usage) - Mixed groups are constituted by ancient mathematician names. Every mixed group reseach their own mathematician and make activities. - Volunteer students research about ancient civilizations' mathematics.
JUNE ACTIVITIES	- Competition with all students about endemic plants and animals in ZOOM by KAHOOT. - Preparing the common product for World Environment Day. - Post test are sent to students. - Every student desings bookmarks to send your friend in the project. - Conversations among project members. - Evaluations

OUR VİRTUAL TOUR

WE RESARCH Muhammed İbn Musa El Harezmi

Harezmi

Veronika

CHATTER PIX Made with Show

MATHEMATİCS İN NATURE

Elif,
Nurdan and
Ahmet
Orhan Oğuz
Secondary
School
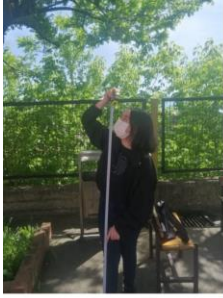
AZRA
Nurdan anda Ahmet Orhan Oğuz
Secondary School

Saat: 15:20

Benim boyum: 147 cm
Gölgemin boyu: 140 cm
Ağacın gölgesi: 555 cm
Ağacın boyu: ?

$$\frac{Benim\ boyum}{Benim\ yolgem} = \frac{Ağacın\ boyu}{Ağacın\ gölgesi}$$

$$\frac{147\ cm}{140\ cm} = \frac{A.\ boyu}{555\ cm}$$

147 cm x 555 cm = Ağacın boyu x 140 cm

81.585 cm = 140 cm x A. boyu

A. boyu = 81.585 cm ÷ 140 cm

Ağacın boyu = 582, 75

ZONGULDAK'S ENDEMİC PLANTS

WE MAKE A BOOKMARKS FOR OUR PARTNER