

Google Earth Education

SOME APPLICATIONS TO TRIGONOMETRY

TIME [160 minutes]

OVERVIEW

Parternership for Goals: Students will explore the World sites using the Google Earth Voyager Stories. Strengthen the means of implementation and revitalize the global partnership for sustainable development by reconnecting through social media.

SUBJECT/TOPIC Mathematics / Application of Trigonometry	AGE LEVEL 14 -16 years Grade X
 Learning Objectives Students will be able to appreciate and apply trigonometry for solving problems in real life situations. Students will use angles of depression and elevation to calculate horizontal, vertical and diagonal distances. 	Inquiry • How can you calculate the height of Qutub Minar?
 Materials Needed Warmup problems for PK testing. Text Book- NCERT text book for Mathematics Class X Access to Google earth Student Internet Access 	 Lesson Summary Engage: Teacher will help pupil revise trigonometric ratios and their values for specific angle through a warm up quiz Explore: Motivate the students to think and discuss the practical application of Trigonometry, which will be followed by a Google earth Voyager stories containing examples of application of trigonometry in real life situations. Explain: The teacher will explain the meaning of Line of Sight and Horizontal line and introduce the concepts of Angle of elevation and Angle of depression through google earth tool. Revise: Teacher will write a problem and help students to

Sustainable Development Goals Culm Quality Education This lease Ensure inclusive and equitable quality education and promote life –long learning opportunities for all. This lease	basket in basketball court.
It has s in math their m	ating Task/Assessment son incorporates the use of trigonometric ships to determine lengths and angle ements. Through the assessment, it also is the Measurement Standard of analyzing y error in measurement situations. dents solve real life problems that arise nd other contexts, and has them communicate hometical thinking to page and the teacher

The chapter of 'Some Applications To Trigonometry" is covered here.

In this the main focus is on application of the trigonometric ratios to real –life situations

Credits

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Google Link :

https://earth.google.com/earth/rpc/cc/drive?state=%7B%22ids%22%3A%5B%221zKWH_zGuoL9iwI-C6Cl7LJm0V94waKVv%22%5D%2C%22action%22%3A%22open%22%2C%22userId%22%3A%22110 643560703468812184%22%7D&usp=sharing