

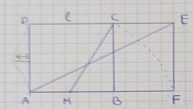


# OUR MATHS LESSON

Spanish team



María Blázquez Laguna  
Cúpula para el patio



$$1) \overline{HF} = \overline{HC}$$

$$h^2 = \sqrt{\frac{l^2}{4} + l^2} = \sqrt{\frac{5l^2}{4}} = \frac{\sqrt{5}l}{2} = \frac{\sqrt{5}l}{1.414}$$

$$2) \overline{AF} = \frac{l}{2} + l'12l = \frac{3'123l}{2} = 1'62l$$

$$3) \quad h = \sqrt{(1'62l)^2 + l^2}$$

$$h = \sqrt{2'624l^2 + l^2}$$

$$h = \sqrt{3'624l^2}$$

$$h = 1'9l$$

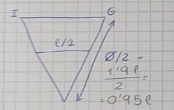


$$h = \sqrt{(0'94l)^2 + (\frac{l}{2})^2}$$

$$h = \sqrt{0'02l^2 + \frac{l^2}{4}}$$

$$h = \sqrt{\frac{1'078l^2}{4}} = \sqrt{0'27l^2}$$

$$h = 0'52l = GA$$



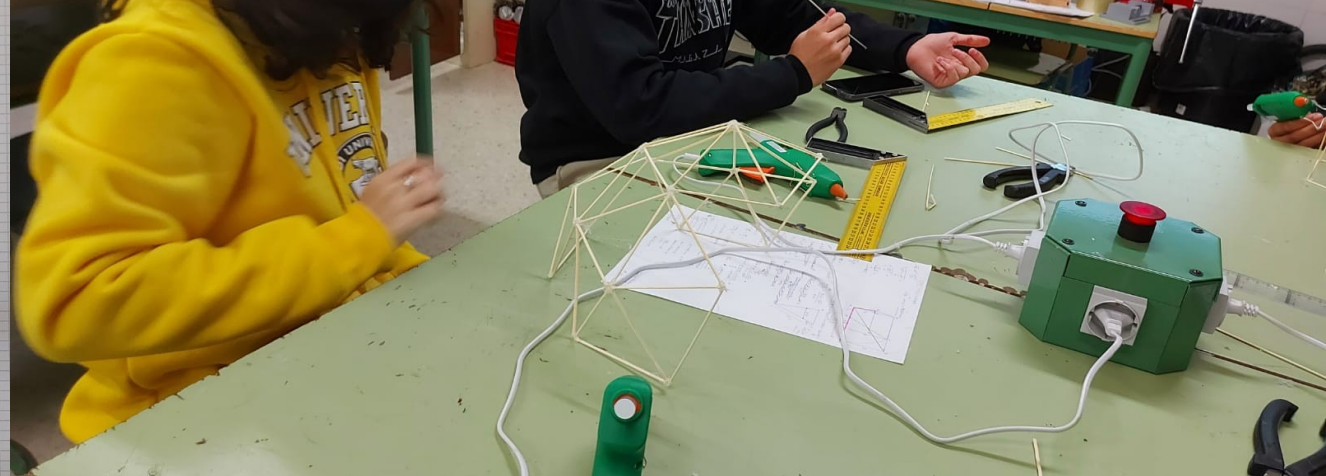
$$\frac{\frac{l}{2}}{IG} = \frac{l}{2 - GA}$$

$$\frac{0'95l}{IG} = \frac{0'95l}{2 - 0'44l}$$

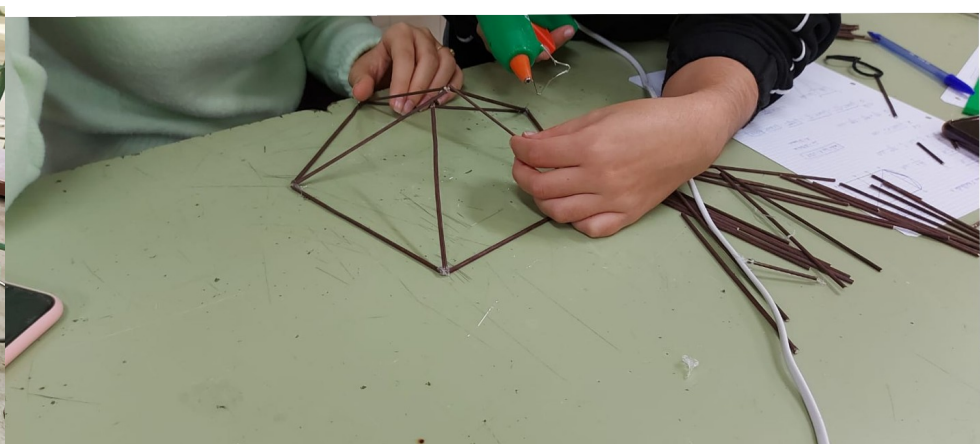
$$\frac{0'95l}{IG} = \frac{1'62l}{l}$$

$$\frac{0'95l}{IG} = 1'62$$

$$\frac{IG}{l} = 0'59l$$

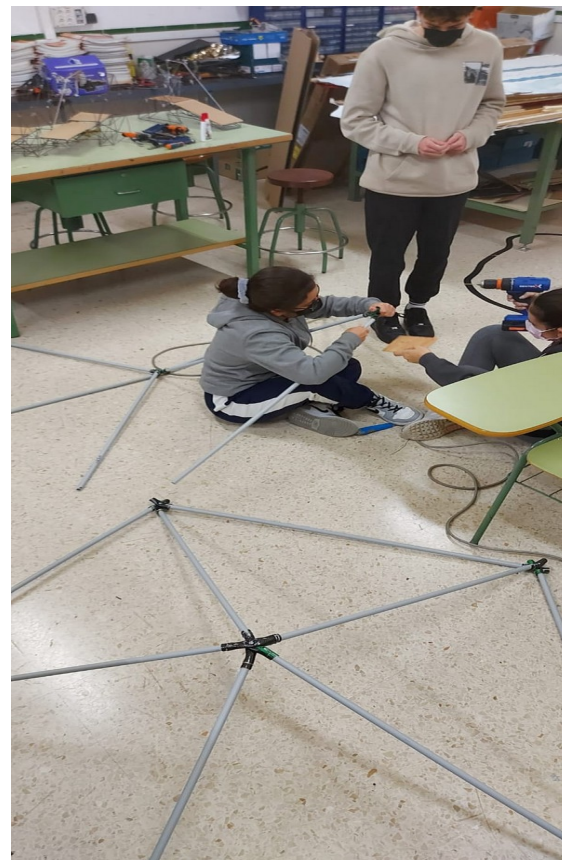


# **MAKING SOME MODELS**





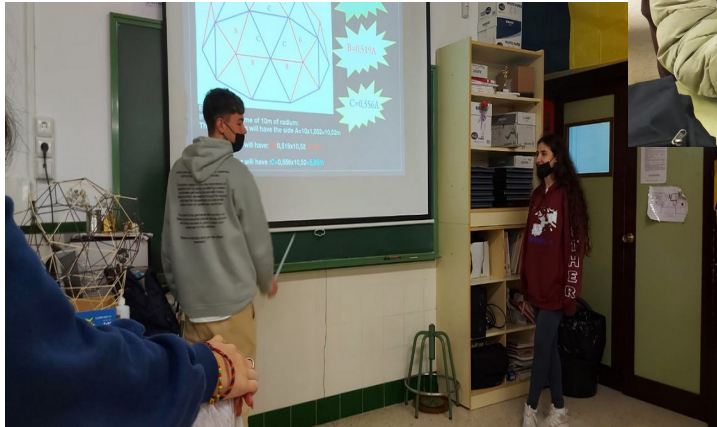
## **BUILDING THE FIRST PIECES**





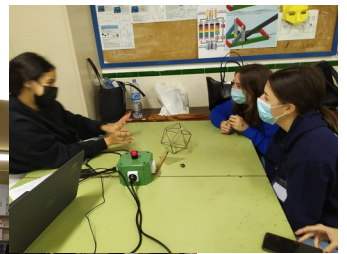
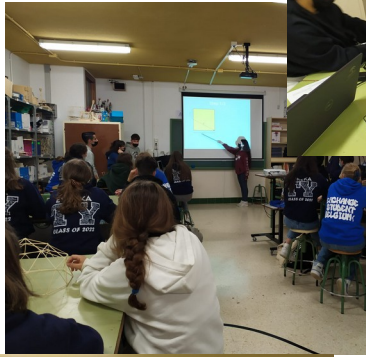
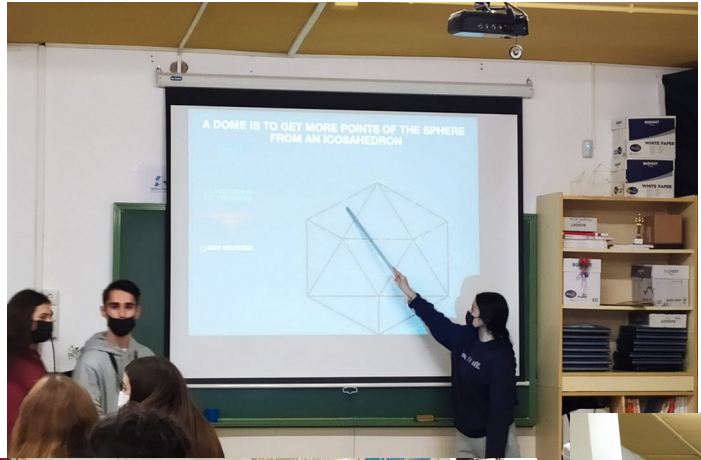
# **FINISHING THE DOME**



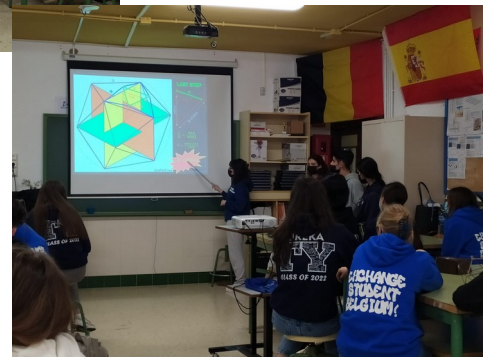
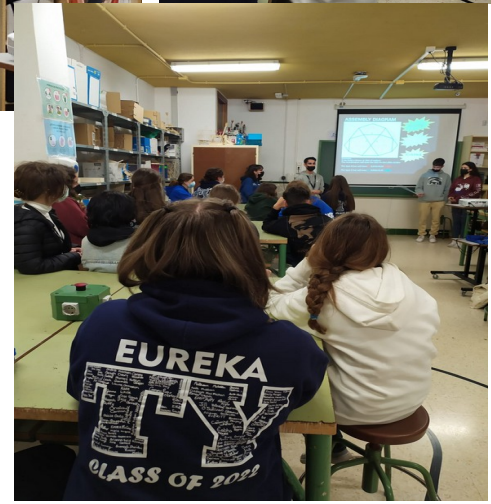


***Working on the presentation***





# **THE DAY OF THE PRESENTATION**





**FINALLY WE SHOW OUR DOME**





**AND THE PRETTIEST PHOTO**