

Eratostrhenès



Since its United Nations declaration in 1999,

World Space Week

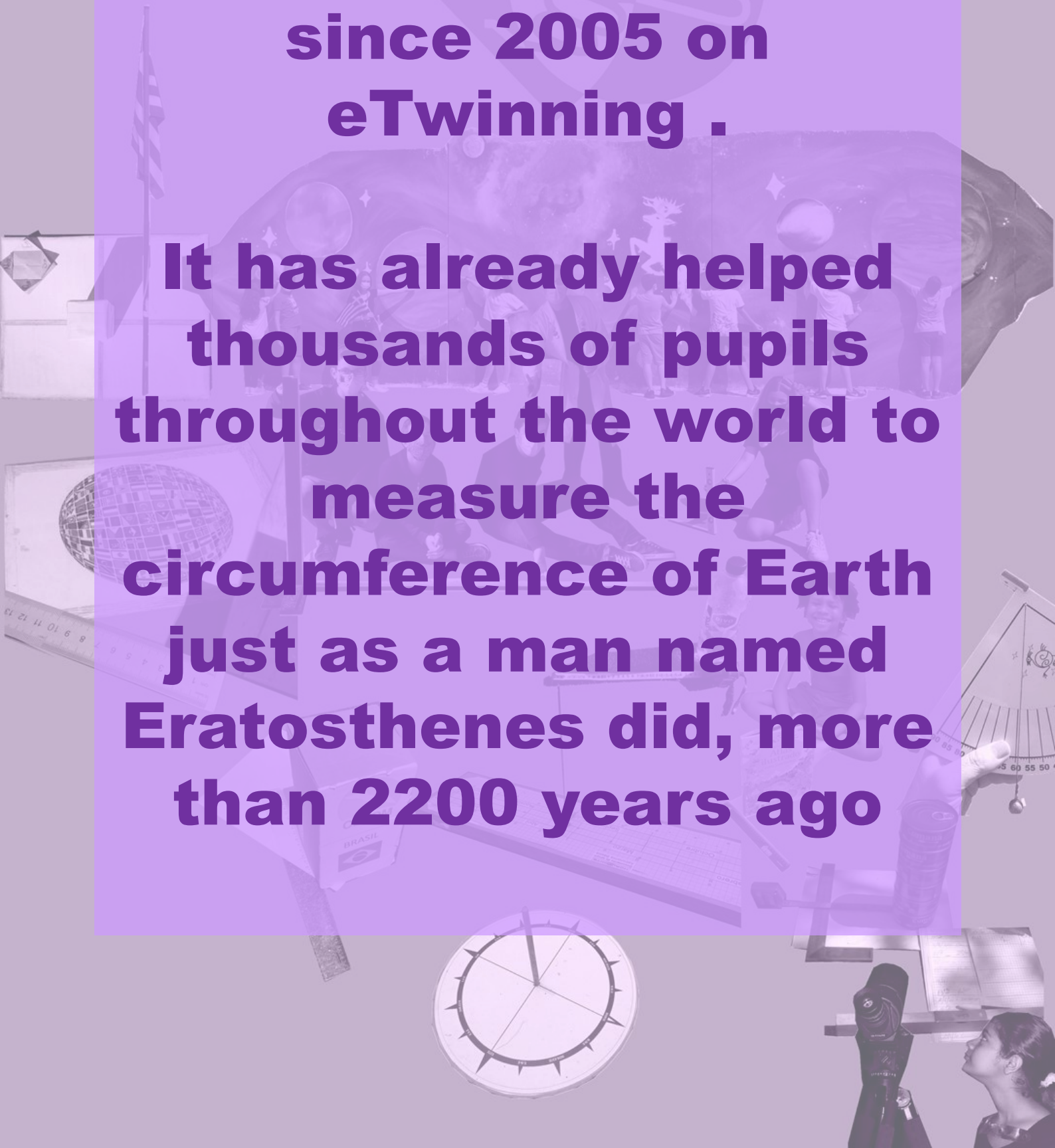
has grown into the largest public space event on Earth.

World Space Week, October 4-10 annually, is the largest space event on Earth.

**“The General Assembly
declares
4 to 10 October World
Space Week
to celebrate each year at
the international level
the contributions of space
science and technology to
the betterment of the
human condition”**

**This La Main à La Pâte
project exists since
September 2000 and
since 2005 on
eTwinning .**

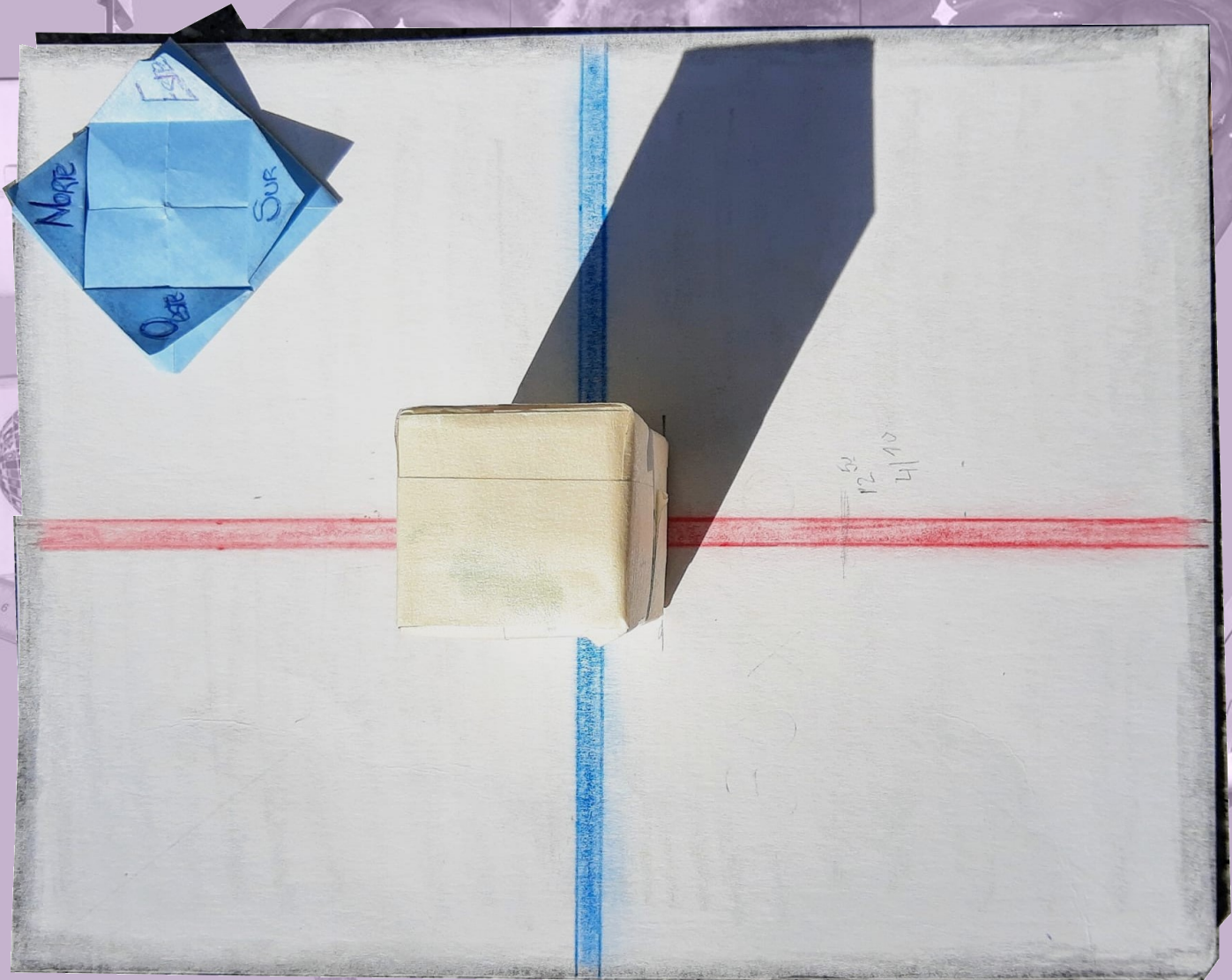
**It has already helped
thousands of pupils
throughout the world to
measure the
circumference of Earth
just as a man named
Eratosthenes did, more
than 2200 years ago**



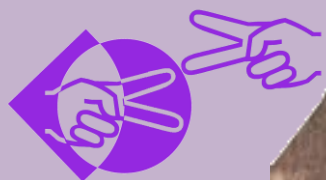
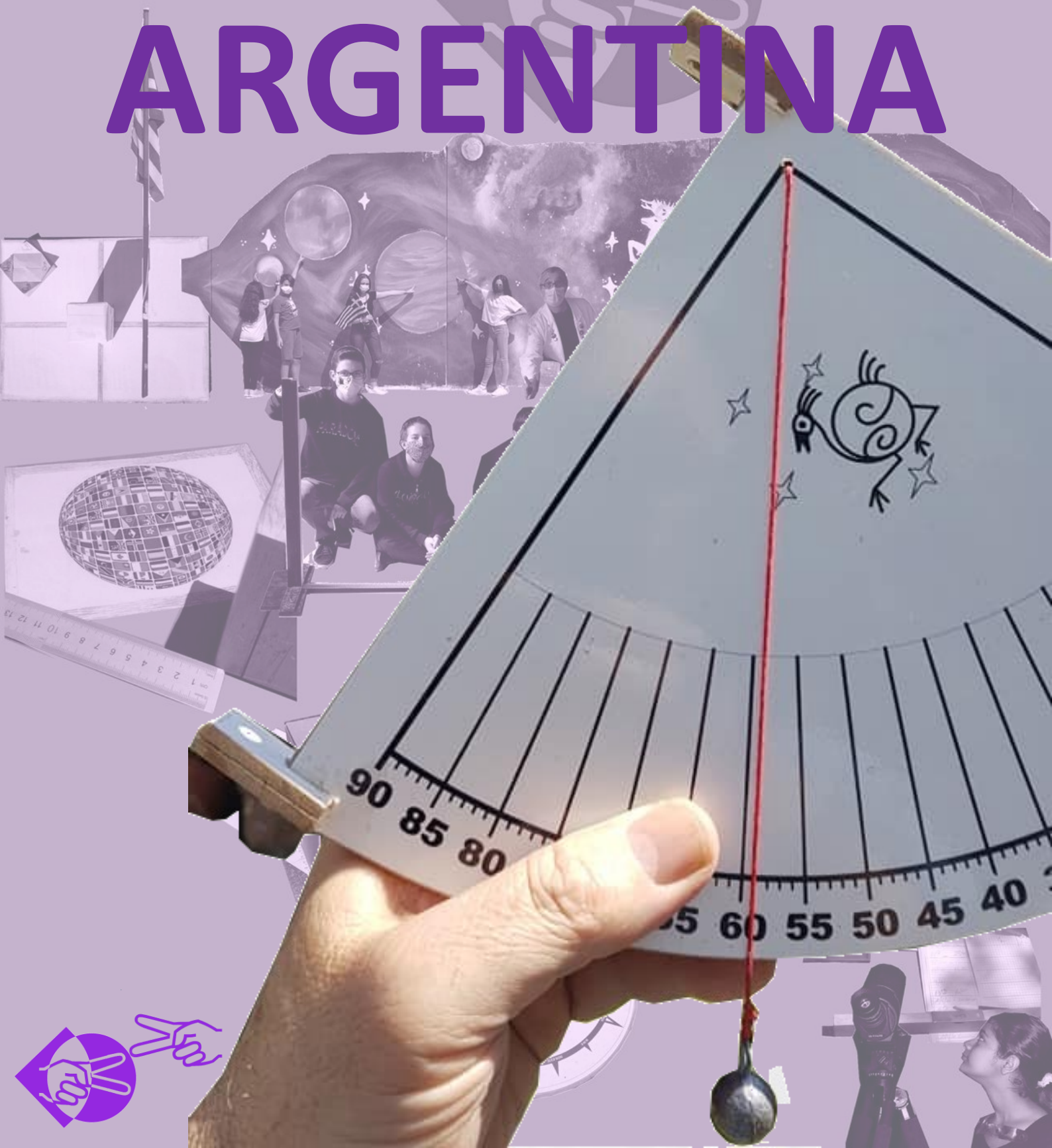
Alta Gracia ARGENTINA



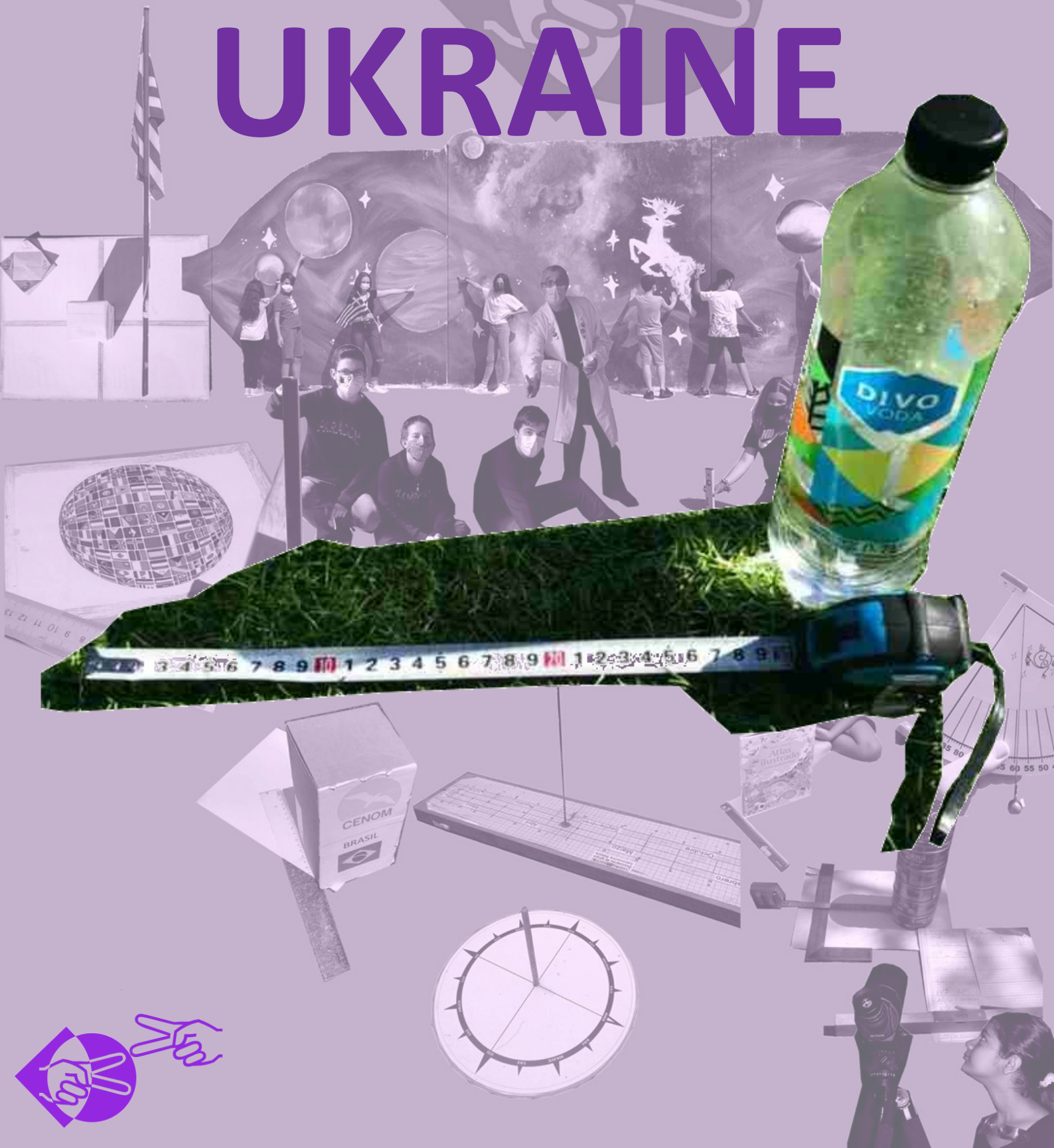
Buenos Aires ARGENTINA



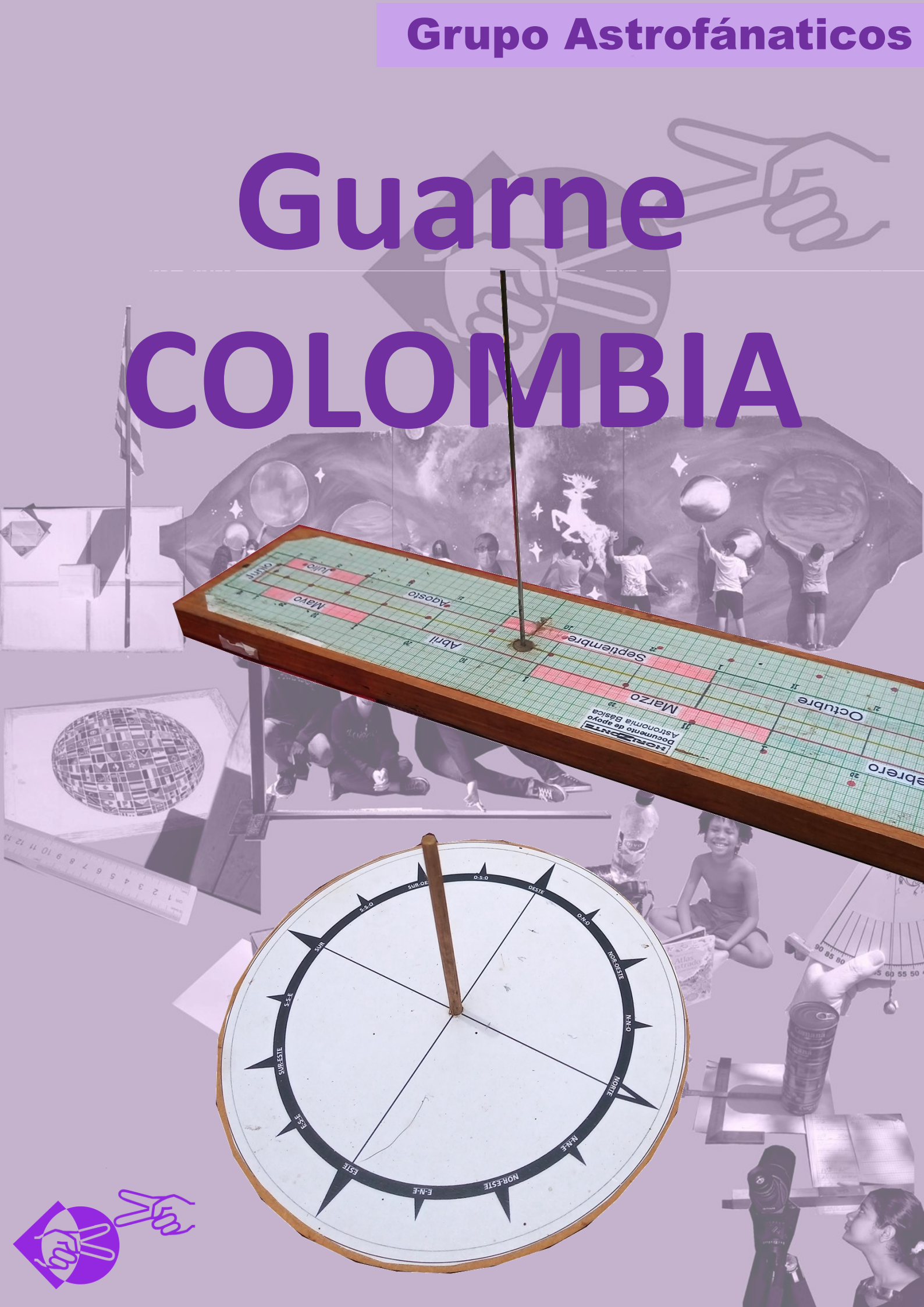
Chivilcoy ARGENTINA



Dnipro UKRAINE



Guarne COLOMBIA

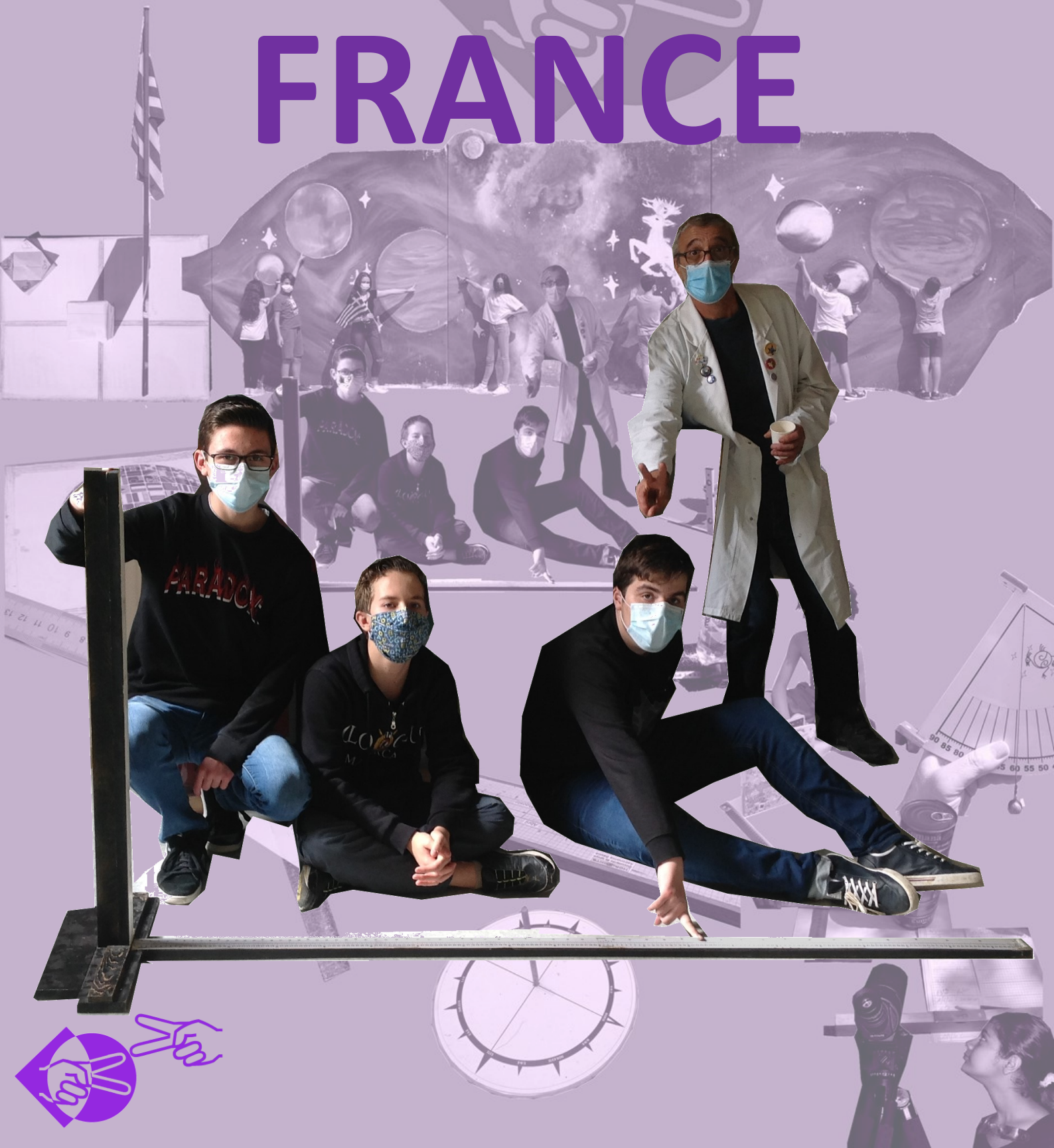


11th Junior High School

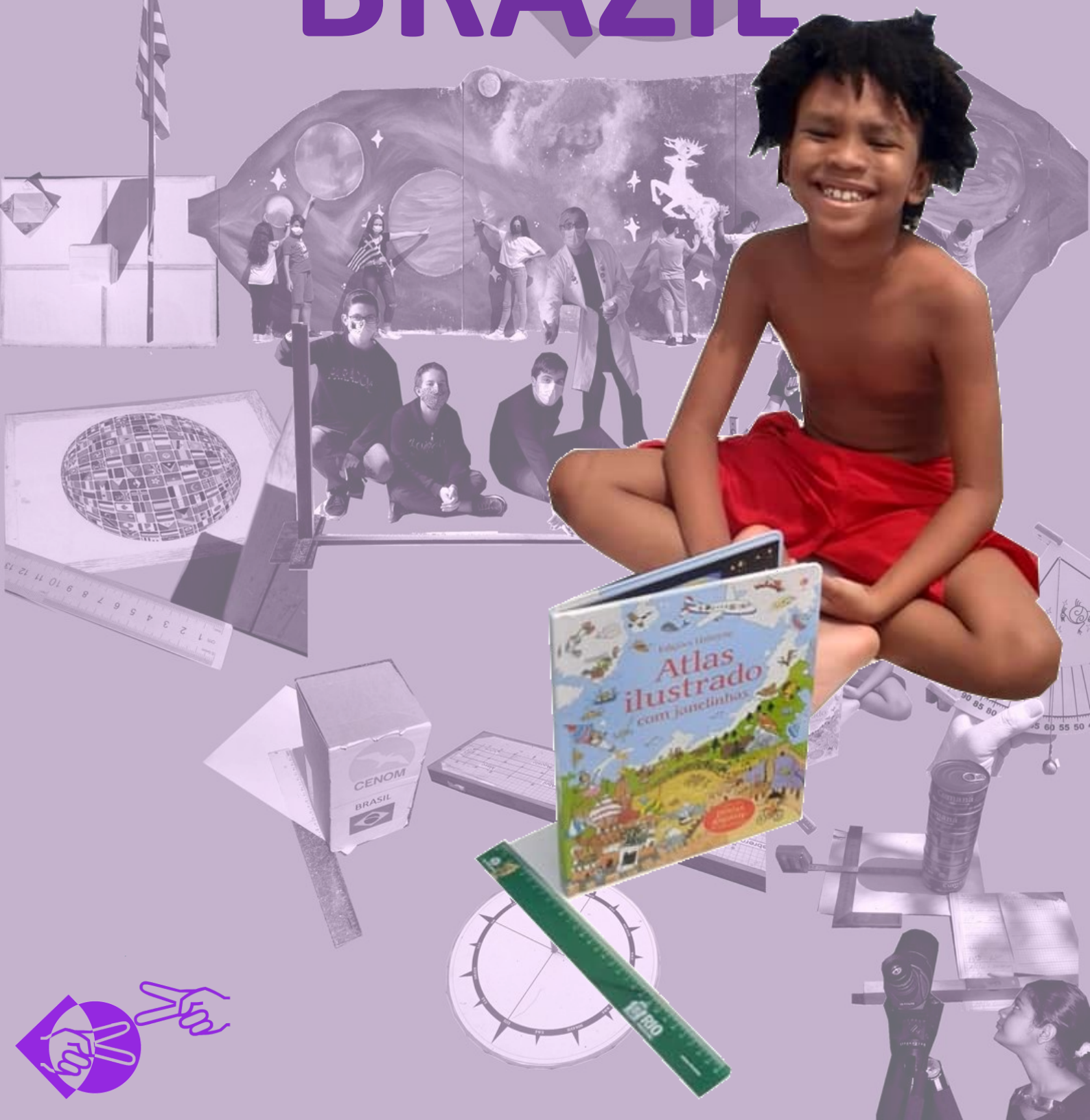
Ilion GREECE



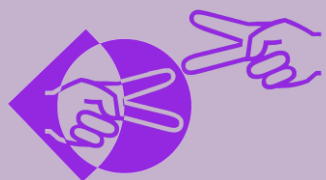
Lafrançaise FRANCE



Méier BRAZIL



Rio de Janeiro BRAZIL



São Mateus BRAZIL



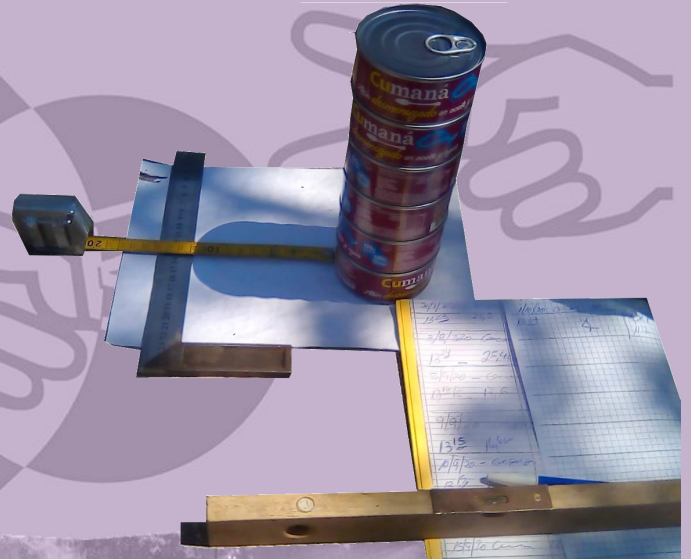
Yamunanagar INDIA





World Space Week

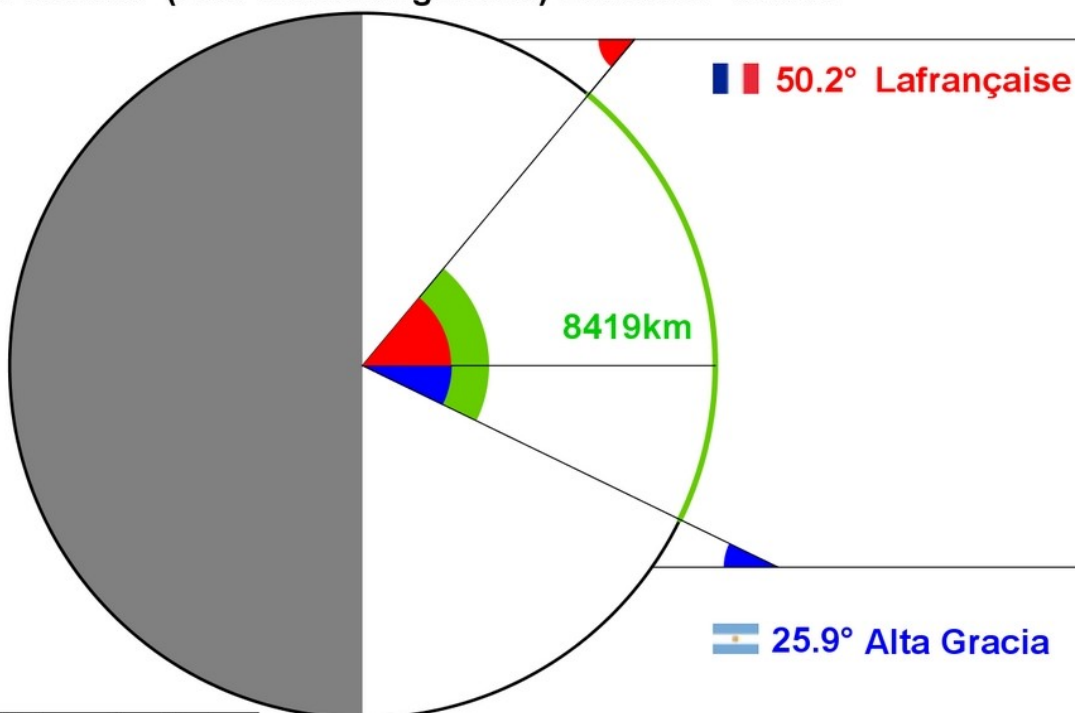
Lafrançaise FRANCE



Alta Gracia ARGENTINA

08/10/2020 (Lafrançaise-France) Latitude: 44.127°

08/10/2020 (Alta Gracia-Argentina) Latitude: -31.656°

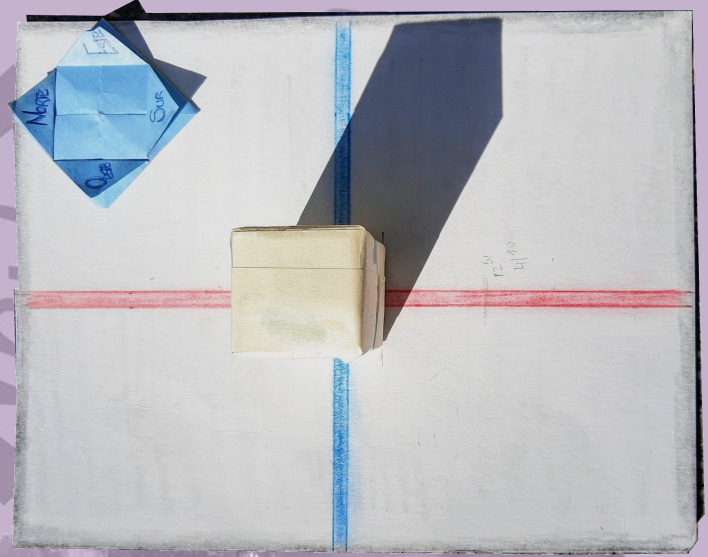


Distance	Angle
circumference	360°
8419km	50.2° + 25.9°

$$\text{circumference} = \frac{360^\circ \times 8419\text{km}}{50.2^\circ + 25.9^\circ} = 39827 \text{ km}$$

World Space Week

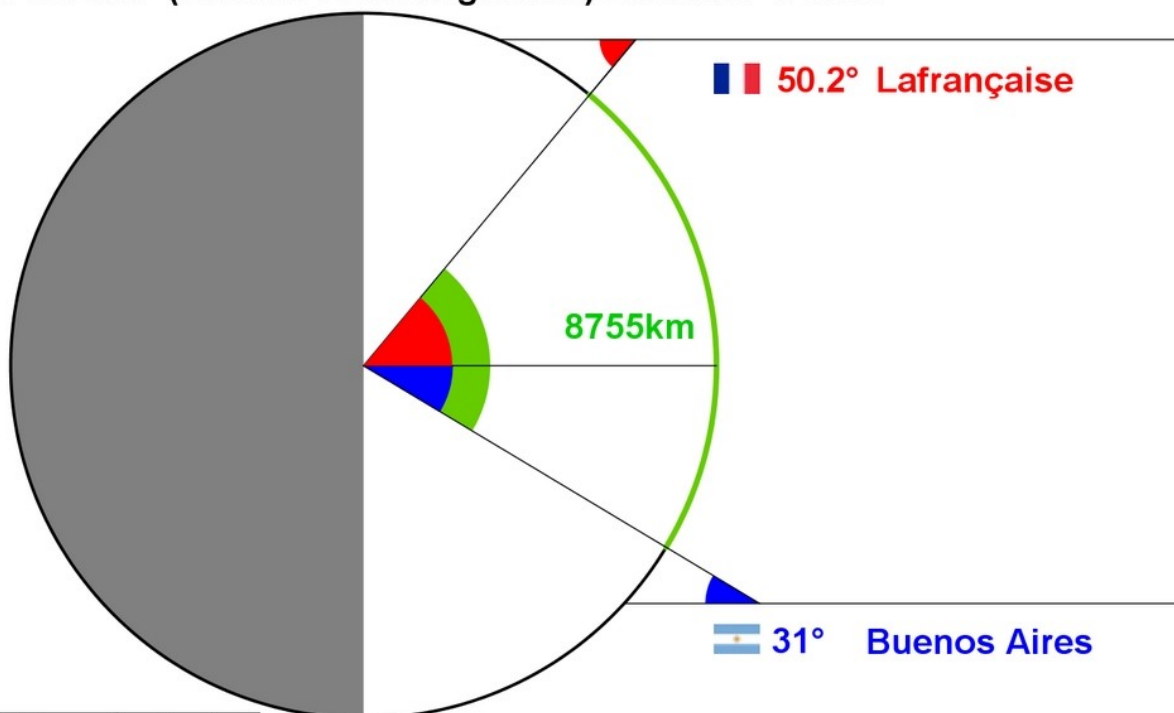
Lafrançaise FRANCE



Buenos Aires ARGENTINA

08/10/2020 (Lafrançaise-France) Latitude: 44.127°

08/10/2020 (Buenos Aires-Argentina) Latitude: -34.675°

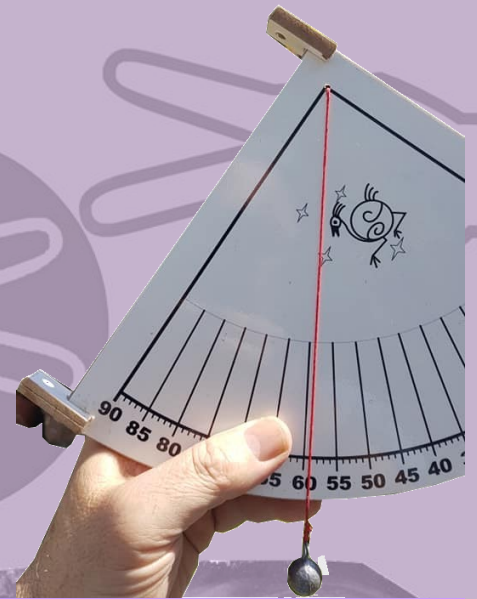


Distance	Angle
circumference	360°
8755km	50.2° + 31°

$$\text{circumference} = \frac{360^\circ \times 8755\text{km}}{50.2^\circ + 31^\circ} = 38815 \text{ km}$$

World Space Week

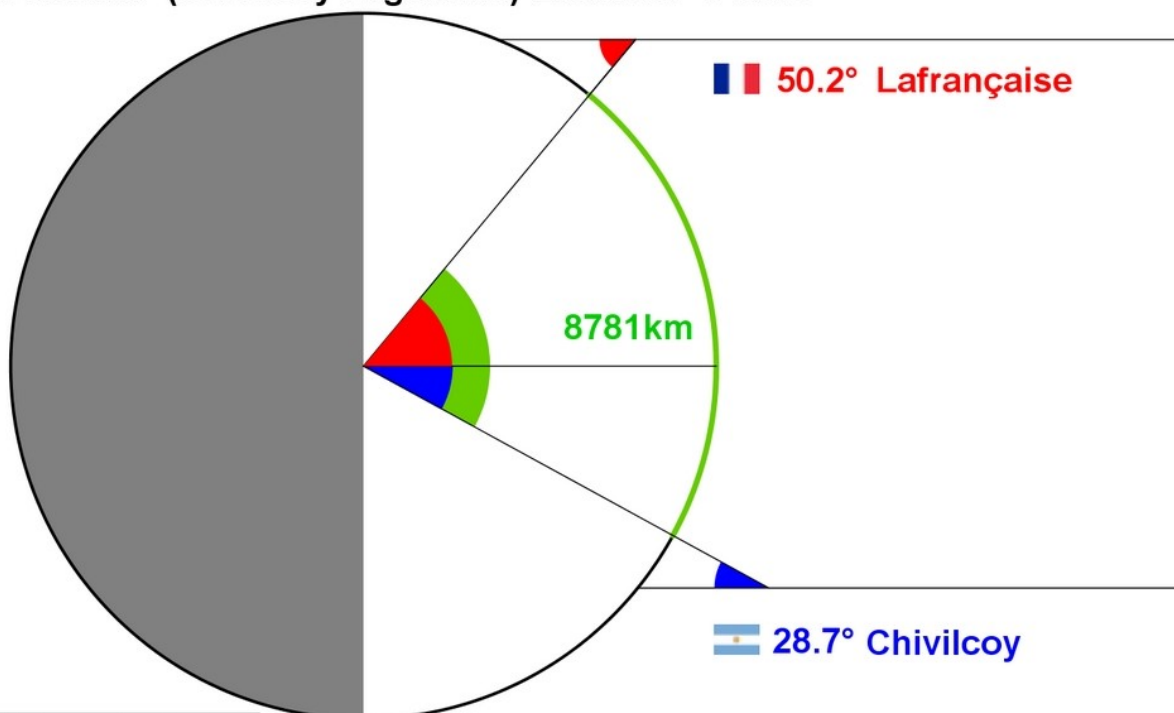
Lafrançaise FRANCE



Chivilcoy ARGENTINA

08/10/2020 (Lafrançaise-France) Latitude: 44.127°

08/10/2020 (Chivilcoy-Argentina) Latitude: -34.911°

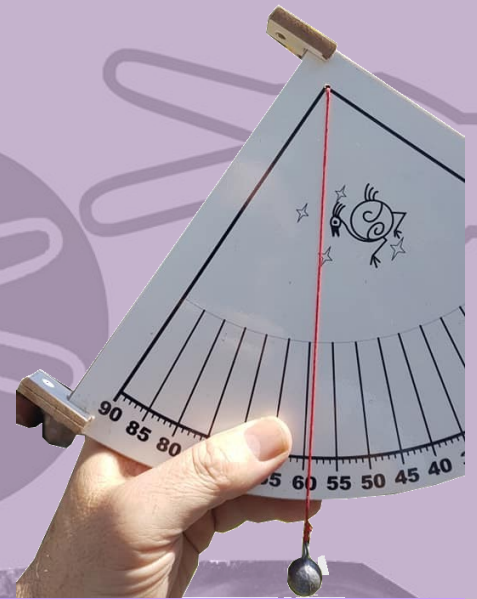


Distance	Angle
circumference	360°
8781km	50.2° + 28.7°

$$\text{circumference} = \frac{360^\circ \times 8781\text{km}}{50.2^\circ + 28.7^\circ} = 40065 \text{ km}$$

World Space Week

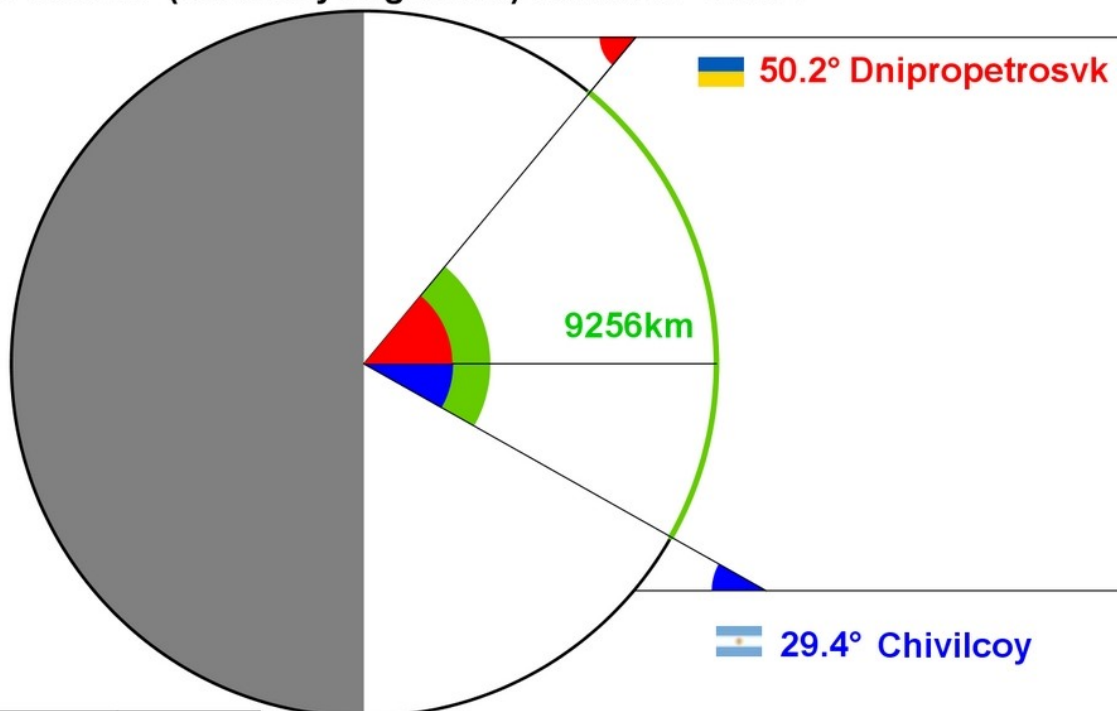
Dnipro UKRAINE



Chivilcoy ARGENTINA

06/10/2020 (Dnipropetrovsk-Ukraine) Latitude: 48.405°

06/10/2020 (Chivilcoy-Argentina) Latitude: -34.911°



Distance	Angle
circumference	360°
9256km	50.2° + 29.4°

$$\text{circumference} = \frac{360^\circ \times 9256\text{km}}{50.2^\circ + 29.4^\circ} = 41861 \text{ km}$$

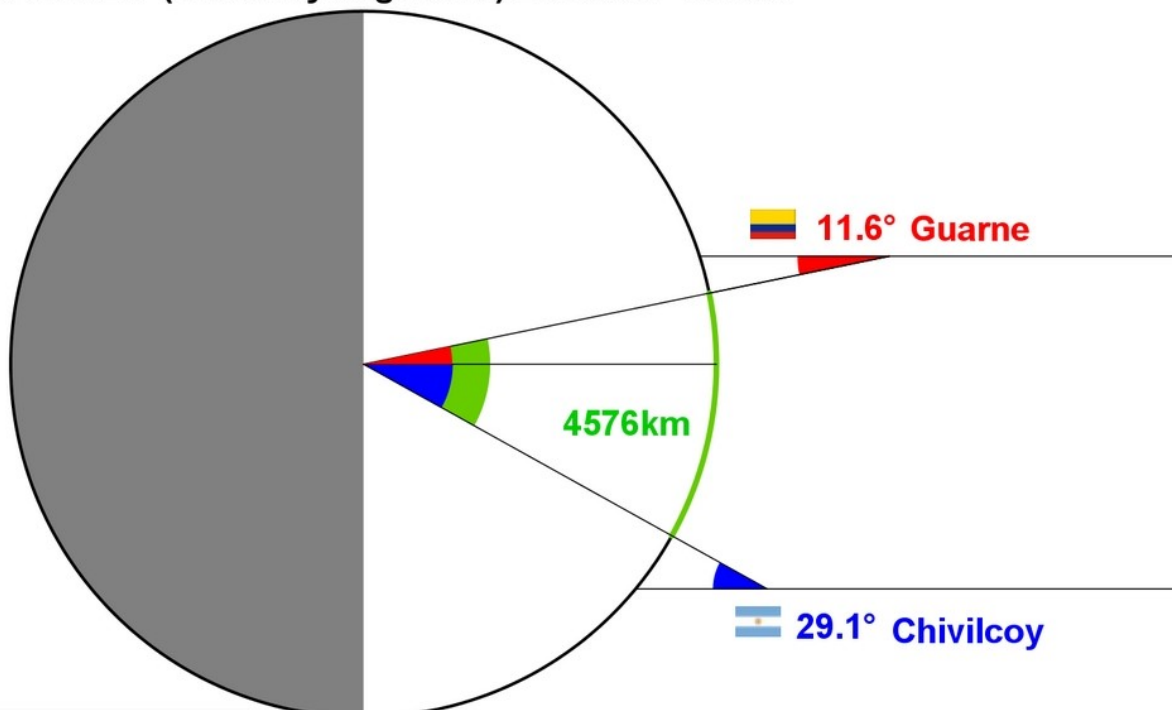
World Space Week

Guarne COLOMBIA

Chivilcoy ARGENTINA

07/10/2020 (Guarne-Colombia) Latitude: 6.274°

07/10/2020 (Chivilcoy-Argentina) Latitude: -34.911°



Distance	Angle
circumference	360°
4576km	11.6° + 29.1°

$$\text{circumference} = \frac{360^\circ \times 4576\text{km}}{11.6^\circ + 29.1^\circ} = 40476 \text{ km}$$

World Space Week

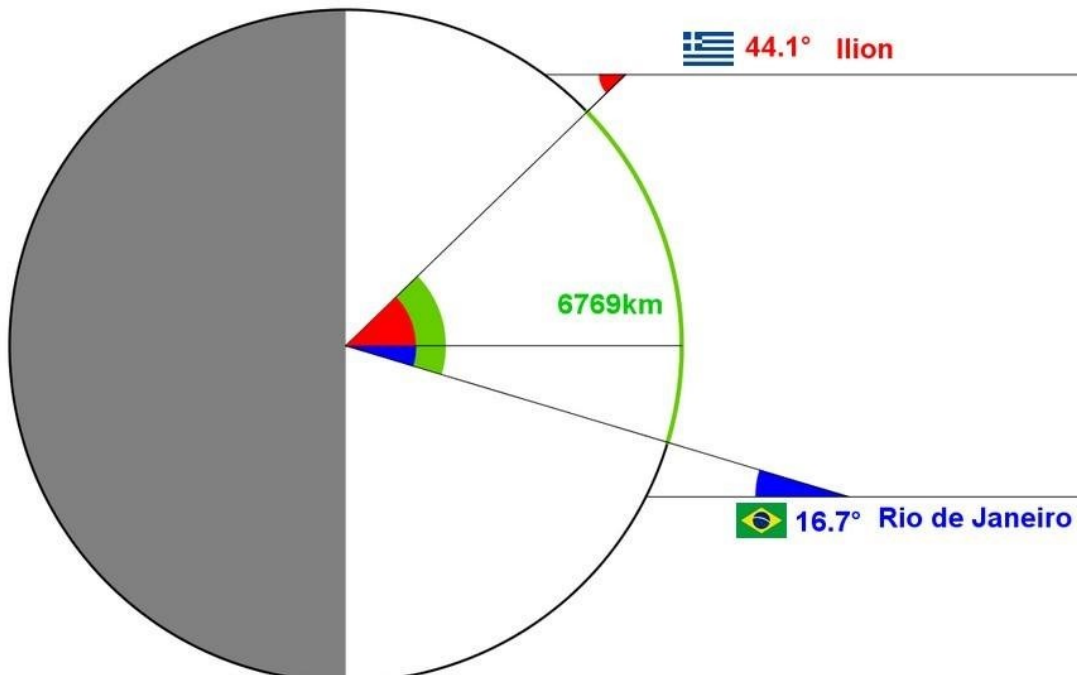
Ilion GREECE



Rio de Janeiro BRAZIL

06/10/2020 (Ilion-Greece) Latitude: 38.033°

06/10/2020 (Rio de Janeiro-Brazil) Latitude: -22.89°



Distance	Angle
circumference	360°
6769km	44.1° + 16.7°

$$\text{circumference} = \frac{360^\circ \times 6769\text{km}}{44.1^\circ + 16.7^\circ} = 40080 \text{ km}$$

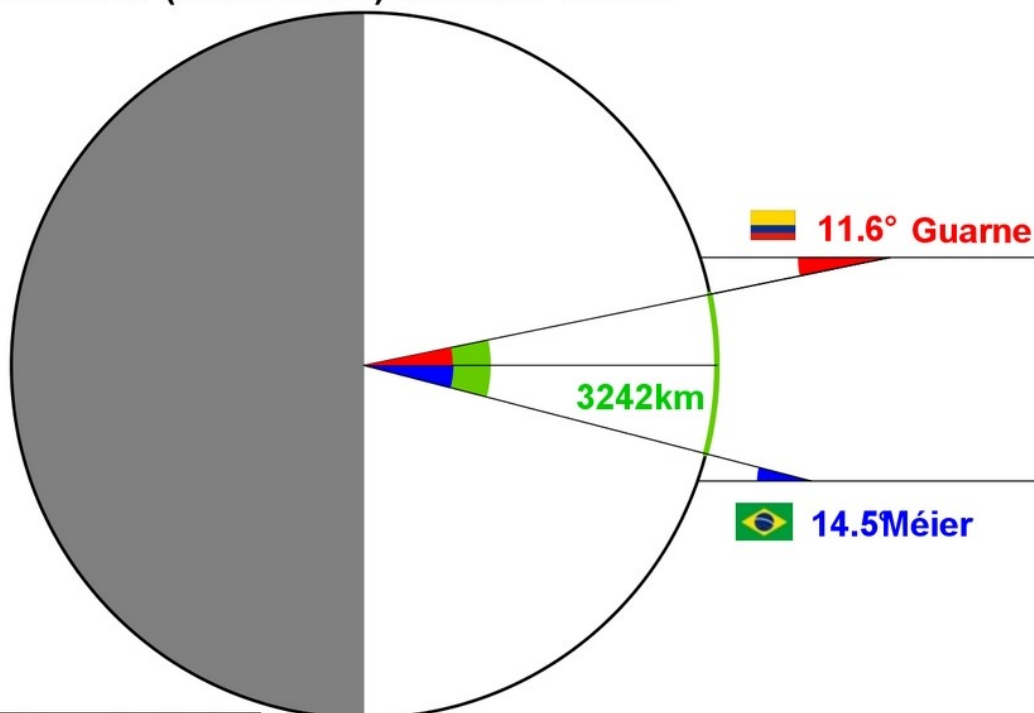
World Space Week

Guarne COLOMBIA

Méier BRAZIL

07/10/2020 (Guarne-Colombia) Latitude: 6.274°

07/10/2020 (Méier-Brazil) Latitude: -22.904°

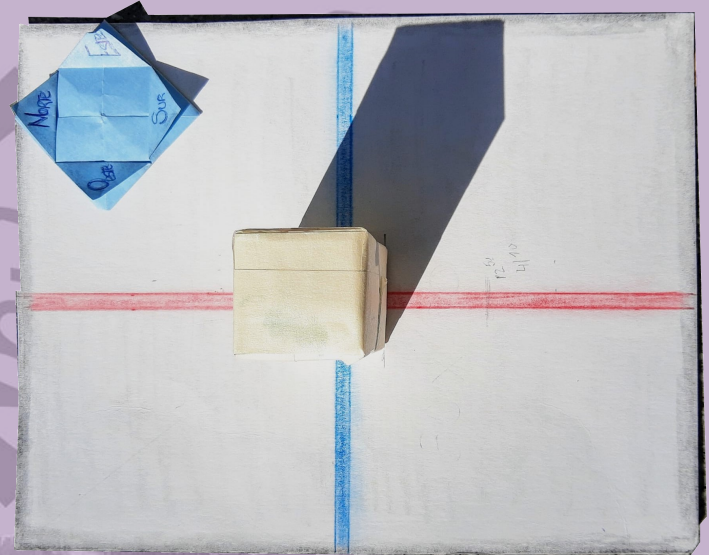


Distance	Angle
circumference	360°
3242km	11.6° + 14.5°

$$\text{circumference} = \frac{360^\circ \times 3242\text{km}}{11.6^\circ + 14.5^\circ} = 44717 \text{ km}$$

World Space Week

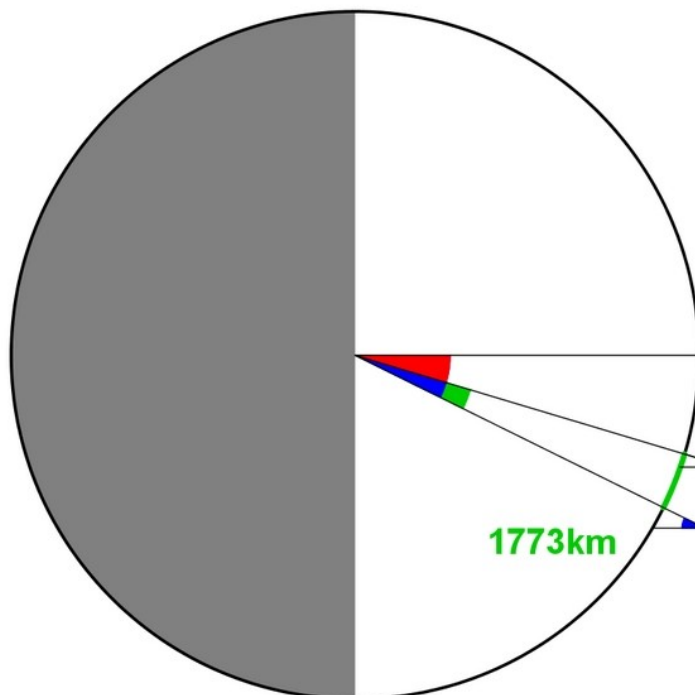
São Mateus BRAZIL



Buenos Aires ARGENTINA

03/10/2020 (São Mateus-Brazil) Latitude: -18.716°

03/10/2020 (Buenos Aires-Argentina) Latitude: -34.675°



 16.7° São Mateus

 26.3° Buenos Aires

Distance	Angle
circumference	360°
1773km	$26.3^{\circ} - 16.7^{\circ}$

$$\text{circumference} = \frac{360^{\circ} \times 1773\text{km}}{26.3^{\circ} - 16.7^{\circ}} = 66487 \text{ km}$$

