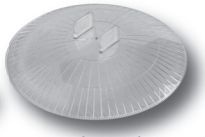
Explore the Geometry of the sphere with the Lénárt Sphere

Spherical compass with centre locator and replaceable collars

Special markers

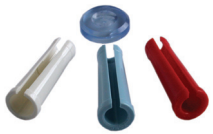


Spherical protractor

Durable storage box

Getting Started with the Lénárt Sphere instruction book

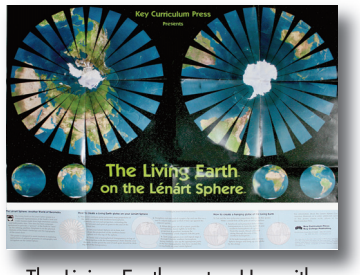
Hanger



Set of 4 hemispheres

Transparent plastic 8" sphere and ring shaped support

Spherical straight edge, and ruler



The Living Earth poster. Use with two hemispheres to experience the geometry of the globe.

Lénárt Sphere basic set (contains the items pictured above) $165.00 inc GST plus postage and handling (see order form)

With the Lénárt Sphere basic set you can experience with your students the fun of geometry investigations on the sphere. After your students have finished a geometry investigation on the plane ask them what happens on the sphere. Is the result the same or different? Why? Few students will have worked with Non-Euclidean geometry so their ideas will be original and their thinking fresh. Exploring Non-Euclidean geometry will also deepen your student's insight into the traditional geometry of the plane.

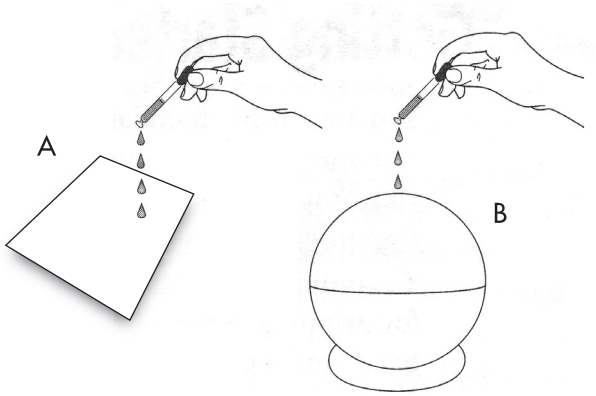
Non-Euclidean Adventures on the Lénárt Sphere $38.95 inc GST
More than 40 activity masters which provide a ready made curriculum that compares two geometries! The activities review a traditional topic from planar geometry and then have students experiment with the same topic on the sphere. Students are challenged to shift their thinking from the plane to the sphere and to compare two different worlds of geometry. No previous experience with spherical geometry is needed to teach with this book.

The Lénárt Sphere is suitable for all grades. And will engage students of all ability levels.

Straight lines and great circle lines. A Lénárt Sphere adventure...

One of the simplest shapes on a flat plane is a straight line. What is a straight line on a sphere?

An interesting way to explore the difference with your students is by using an eye dropper and water on a flat surface (A) then onto the top of a Lénárt Sphere (B)



In the case of (B) the water tracks a great circle line which is also the shortest distance between two points on a sphere.

Try plotting a course from San Fransico to Moscow on a planar map using a ruler and on the Lénárt Sphere (dressed as a globe using the Living Earth poster) using a great circle line.