

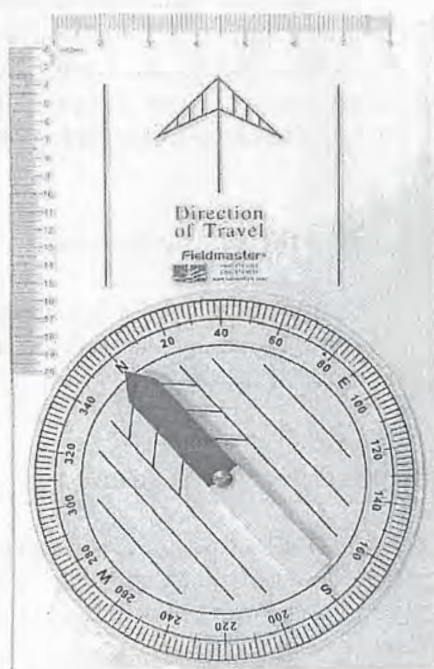
657-4030 (78-535) Demonstration Compass

CONTENTS: 78-535 DEMO TEACHING COMPASS 78-535 INSTRUCTION SHEET

The demo teaching compass is a large replica of a compass for teaching purposes. It has movable dial and needle and can be used on an overhead projector. The demo teaching compass is graduated from 0 to 360 in 2 degree intervals and is similar in appearance to the orienteering compass item # 78-530 catalog #657-4010.

Warranty and Parts:

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Designed for ages 13 and up. Item is not a toy. It may contain lead or small objects that can be choking hazards.



Parts of the compass

The demo teaching compass is an excellent tool to show student the basic parts of the compass and to get them familiar with the function and use of the compass. It can be used on an overhead projector.

Base – The rectangular part that has scales, direction of travel lines, and the other parts of the compass on it.

Bezel – Sometimes referred to as the azimuth ring has 0 to 360 degrees marked in 2 degree increments. It also has the 4 basic directions, N for north, E for east, S for south and W for west.

Compass needle – The needle on the demo teaching compass represents the magnetized needle on a functional compass that always points north. The red end of the needle indicates the north direction.

Using the demo teaching compass

The demo teaching compass can be used to teach students how to use a functional compass by simulating how a compass functions.

Finding north

The red end of an actual compass needle (not the Demo Teaching Compass) will point to magnetic north. Always make sure that the students hold their compass flat and still so that the needle swings freely. The needle may swing back and forth a few times before settling in one direction. This can be simulated on the demo teaching compass by holding the bezel and spinning or turning the needle.

Finding the 4 basic directions

Once the needle has settled in one direction as simulated above, hold the needle of the demo teaching compass and rotate the bezel so that the N on the bezel lines up with the point of the needle.

Other Science First Items:

657-5010 Fieldmaster Orienteering Kit: The Orienteering Kit is everything you need to get started with map and compass work. The teacher guide will help the educator guide students in classroom work and field work. Equipment is provided for 12 students and an orienteering course.

657-5011 Basic Orienteering Kit: This basic orienteering kit is perfect for an introduction to compasses and directions. The kit allows a teacher to demonstrate using an oversize display compass, while the students have accurate liquid filled compasses. The detailed teacher instructions include many activities including: learning the parts of a compass, learning directions, finding your way, string course, finding a landmark, using maps, and hidden treasure games.