**Compass Bearings**





**See** [**https://www.learningctronline.com/courses**](https://www.learningctronline.com/courses) **for Materials and Resources.**

**Topics:**

1. Compass Bearings

**Objectives:**

* + Identify Cardinal and intercardinal directions.
	+ Comprehend the components of a field compass.
	+ Recognize types of field bearings.
	+ Walk a bearing or find directions using the triangle or square methods.

TAKE NOTE

1. Film Review: “The Wonder of it All”.
2. Bearings & General Information Worksheet
3. Lab: Walk bearings
4. Quiz Compass Basics
5. Week 8 Devotional (<https://www.learningctronline.com/devotional>)

**Text**:

**Reference Material:** Bearings & General Information

**Homework**:

* Bearings & General Information Worksheet using the reference material.

**Lab**: Film Review

* Obtain the movie “The Wonder of It All” by Arthur Dubs with James T. Flocker [1974 1:22:00]
	+ Complete the **film review** for the movie using the worksheet provided.
* If you cannot assess the first version, Obtain the 2007 version by Arthur Dubs with Les Biegel [2007 1:33:00].
	+ Complete the **generic** film review in the course Resources folder.
* Save the document into your LAB folder in the Projects in Science folder on your desktop.

**Lab**: Practice walking a bearing using the triangle and square methods.

* Materials: field compass, 4 cones or objects to mark positions, quarter.
* Go to a large field (e.g., football or soccer).
* Walk a bearing using the triangle method.
	+ Choose a starting bearing and 30 paces.
	+ Put a quarter at your feet for the starting position. DO NOT place a cone here.
	+ Walk 30 paces using the bearing. Place a cone at each bearing spot.
	+ Repeat until you return to the starting position.
		- How close to the starting position did you get? (find the quarter and measure the distance away)
	+ Take a picture of the cones when done.
* Repeat for walking a bearing using the square method.
* Insert the images into a Word Document.
* Save the document into your LAB folder in the Projects in Science folder on your desktop.

**TEST: Quiz 1 Compass**

1. Complete the quiz and email it to LearningCTROnline@gmail.com

Supplemental Resources (Optional)

1. <http://somup.com/c061ITBONu> Walk a Compass Bearing (1:45)
2. <http://somup.com/c061I4BO8v> Using a Compass to Walk a Visual Bearing (9:14)
3. <http://somup.com/c061IKBO9t> Walking a Triangle (Compass Bearing) [2:38]