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## Making Clock Accurate Sundial Customized Location

**designing an accurate sundial for clock time** - designing an accurate sundial for clock time ... this chart shows the correction to sundial time to get clock time (called the equation of time) during the year. ... a sundial with this feature can be used to find your time zone's clock time without you making any correction other than the correction from the chart above. is it possible to ... **make a sundial - greeneducationfoundation** - (e.g., how the elliptical orbit of the earth around the sun results in solar time varying from clock time). ... after making the sundial: ... each time the students go out to measure, so that they take an accurate reading. 2. **pocket sundial project, activities and facts** - clock, "first made in the 13th century in england). today, because modern clocks are almost always ... the tilt of the earth and the fact that we are making a portable sundial make creating an accurate sundial fairly diffi cult, but not impossible. first, let's talk about two main **lab: making a capuchin sundial - scritronscience** - conclusion questions: 1. how did the capuchin sundial get its name? 2. why does the shadow cast by the sun change a little each day? 3. how accurate was your capuchin sundial?how far off of clock time was it? 4. if the earth rotates every 24 hours (approximately), how many degrees does the sun appear to move in one hour?in four minutes? (hint: one full rotation of the earth is 360 degrees). **making a sundial - amazon web services** - making a sundial build a sundial and discover how time can be measured. nemo science museum, esero nl / esa ... a watch or clock). materials ^ 12 large stones ^ scissors ^ glue ^ 150-centimetre long stick (approx.) ^ a large protractor ... course your sundial will be less accurate. **sundial procedure - boston university** - sundial procedure during class: • engage students by having someone tell what time it is using the classroom clock (or that student's own watch if the classroom clock is not working)? ask students ... discuss with students how accurate they thing a "low tech" sundial is compared to their "high tech" cell phones and digital watches. **a living sundial - c.ymcdn** - a "living" sundial john u. bell director of astronomy virginia living museum ... hour line and co will be the 12-o'clock hour line. b. draw od making angle cod equal to the latitude [your latitude should be accurate to the nearest minute or bet- ter.l in our illustrative diagram cod is taken at 40 degrees. c. at any point on od, as at e, draw ... **solar matters teacher page - florida solar energy center** - solar (or apparent) time indicated by sundials and clock (or mean) time is ... sundials placed in gardens will not generally tell accurate time, however, except by ... florida solar energy center making a sundial / page 5 solar matters ii florida sunshine state standards benchmarks/grade level expectations ... **the garden sundial - sdo** - the garden sundial . grades 2 - 10 . dean pesnell . ... the clothesline in both directions making sure to apply pressure against the clothesline at all times. when done, you will have half an ellipse. ... compare an accurate clock or watch to the sundial to see if the sundial is fast or slow. people in the western part of a time zone see the ... **create a sundial - explorable** - create a sundial science fair project science fair project ... making a simple sundial this is the most basic sundial, and depends upon the ancient principle of placing a stick in the ... accurate during the day. alternatively, buy a map with true north gridlines, allowing you to use **a modern approach to sundial design - commonsau** - engineering a sundial for a particular location and position must take many different parameters into ac- ... by making the hour and declination lines thicker, removing the labels, and adding a thick border to the ... it is most important to account for the surface orientation in an accurate manner. **making a mud-brick equatorial sundial**. - clock time. not too bad for a pile of mud and one broom stick. ... if making a sundial for sydney one would shift the noon mark one degree in the other direction. a ... hour line surface is both accurate and smooth. when the form is removed the sundial is almost complete. all that **a miniature ivory sundial with equinox indicator from ...** - a miniature ivory sundial with equinox indicator from ptolemaic tanis, egypt james evans, university of puget sound, and ... analyses of the materials making up the dial were ... are accurate to perhaps a third of a millimetre, but we retain tenths, in order to avoid ...

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