



MEASURING TIME

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Tools of the Historian

- Main Idea (Objective):



- Historians rely on tools, calendars and the dating of events to measure time.

Tools of the Historian

- Lecture Focus (Essential Question) :



- Have you ever thought about traveling back in time to an ancient society? Historians do just that everyday. Lets see how historians keep track of past events.

Tools of the Historian

- A **Historian** is a person who studies and writes about people and events of the past.



- Historians help to create the story of Mankind, through looking at how people of the past lived, what happened to them and what happened around them.

Tools of the Historian

- Historians look for reasons behind specific events.



- They also study the effects of events and how they helped shape the world around them.

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Tools of the Historian



- **HOW** and **WHY** do we study history?

Digging Up the Past

- Who has ever heard of the term **Archaeologists**?



- **Archaeologists** – A Historian who studies human history by digging up human remains and artifacts.

Digging Up the Past

- What do Archaeologists Study?



- Human and animal bones, seeds, trees, pottery, tools, weapons, mounds, pits and ruins

Digging Up the Past

- How do Archeologists gather data?

- Survey on foot.

- Photographs taken from planes or satellites.

- Ground penetrating radar.

- Locations plotted on maps.

- Evidence gathered with tools from heavy equipment to shovels.

- Sonar scanning to locate underwater objects,



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Digging Up the Past



- How Do They Interpret Findings?
- Organize artifacts into groups based on similarities.
- Compare objects in relation to other objects.
- Date objects by measuring the **Carbon 14** levels.

Calendars

- Historians rely on *calendars*, or dating systems, to measure time.



- Cultures throughout the world have developed different calendars based around important events in their history.

Calendars



- Western nations begin their calendar on the year in which Jesus was thought to have been born.

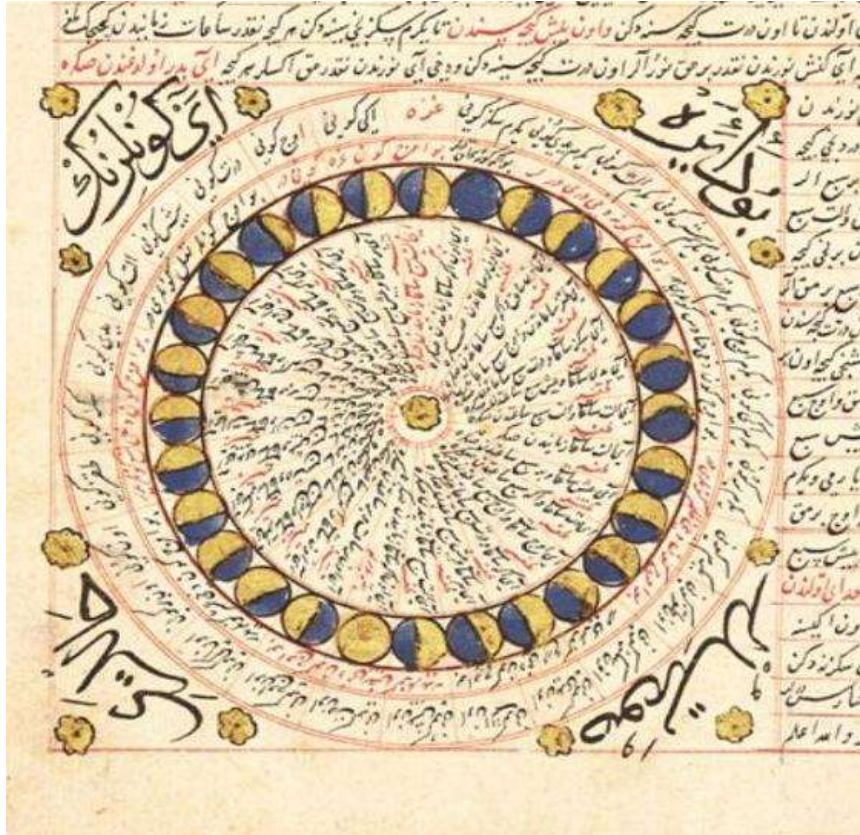
Calendars

- The Jewish calendar began 3,760 years before the Christian calendar.
- This is the time when Jewish tradition states that the world was created.



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Calendars



- Muslims date their calendar from the time their first leader, Muhammad, left the city of Makkah (Mecca) for Madinah.
- This was 622 C.E., in the Christian calendar.

Calendars

- The dates that we will be looking at this year are based around the Western Christian calendar system.
- Now you may be familiar with the old way of naming dates like, "B.C.", or "Before Christ" and "A.D.", or "Anno Domini"
- Anno Domini is a phrase that comes from the Latin Language and means "In the Year of the Lord".
 - Example: *457 A.D. or 3035 B.C.*



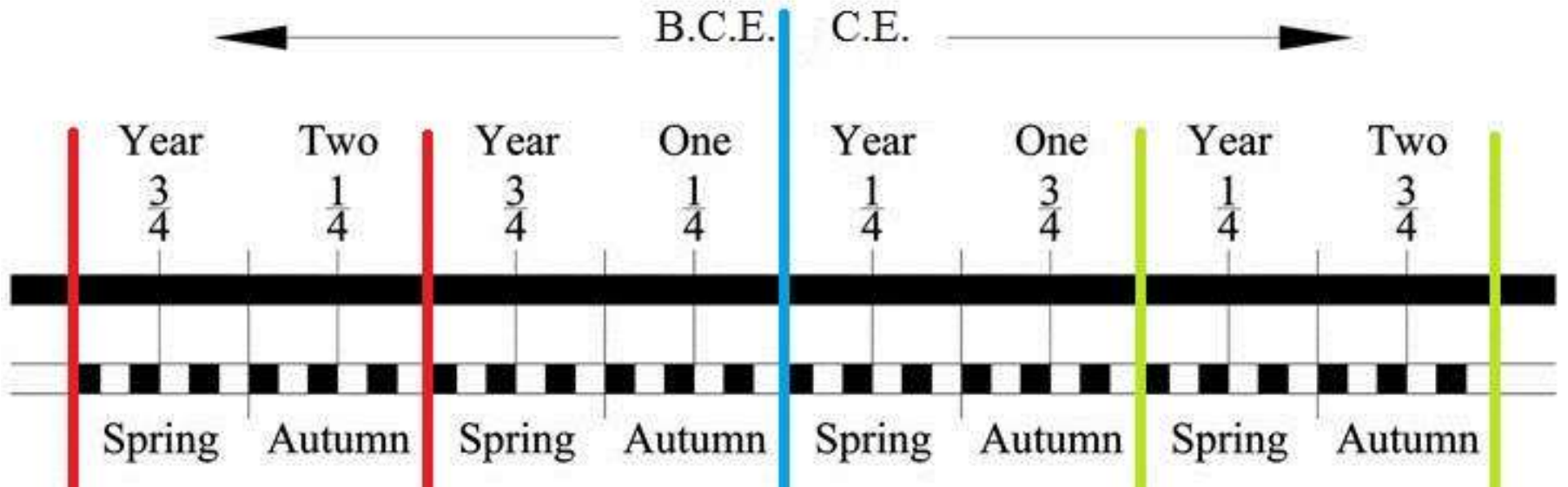
Calendars



- Today, however, with a growing understanding that not all Historians and Archaeologists are Christians, new terms have been created.
- **“B.C.E.”, “Before the Common Era”** and the **“C.E.”, “Common Era”**, which are exactly the same as B.C. and A.D. but have nothing to do with Christianity.

Dating Events

- To date events before the birth of Christ, or "B.C.E.", Historians count backwards from **1 C.E.**...There is no year "0"



- To date events after the birth of Christ, or C.E., Historians count forwards, stating with **1 C.E.**

Dating Events

- **Questions:**
- 1) What is a Historian and what do they study?
- 2) What is an archeologist and how do they gather data?
- 3) What does the terms "B.C.E". and "C.E". mean?

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Dating Events

- **Questions:**
- **1) What is a Historian and what do they study?**
 - **People who study and write about events from the past**
- **2) What is an archeologist and how do they gather data?**
 - **A historian that studies artifacts and human history through digging and searching**
- **3) What does the terms "B.C.E". and "C.E". mean?**
 - **Before Common Era / Common Era**

Dating Events

- **Lecture Check:**
- Answer the following question in a well-crafted and organized, 2-3 sentence open-ended response.
 - **If you could study any era of History, what would it be and why?**