IMSA Lunch and Learn
“Only Time will Tell”

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Constructivist Approach embedded into IMSA Core Competencies

Competencies are addressed in tandem and drive teaching and learning at IMSA as well as our outreach education models.

➢ Inquiry Based
➢ Problem Centered
➢ Competency Driven
➢ Integrative STEM
Time Mixed Up

- Something got tangled in planning for our next year. Please help and sort the calendar pages in some kind of way that can help tell time.

- Explain the process you used to sort your calendar pages on slide 3
Document for each group:


Describe the steps your group took to complete this task. Why did you arrange your squares in this way?

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Activity Debrief
“What are the connections between the clock and the calendar?”

• Numbers on a clock – months of the year
• Divide year into 4 seasons
• Units & scale: second tick marks – days of month
• Cyclical nature of a clock and a calendar
Activity Debrief

Inquiry:
• Making observations, sorting data

Problem Centered and Integrative:
• *How can we organize information in a way that tells time?*
  • Draw connections between clock & calendar

Competency Driven:
• Chronological organization, fractions, units and scale
Further explorations:

- How does the visual representation of data change how it is perceived? Are there other ways to arrange time?
- What are the mathematical relationships between date and time? What is the date equivalent to 6:45?
- How do other cultures traditionally display their calendars?
- What is the history of the calendar having 12 months?
Thank You!

Questions?