**Living Maya Time Lotería**

**Summary of Activity**
By playing this *Lotería*, a bingo-like game popular in México, students will become familiar with Maya cultural symbols such as calendar glyphs and other iconography found in the *Living Maya Time* website.

**Living Maya Time Website Connections**
Students should browse the following resources from the *Living Maya Time* website before playing the *Lotería* game:
- *The Creation Story of the Maya* in the website section titled *The Maya*
- The entire *Calendar* section

**Grade Level**
Grades 5 and 6

**Standards of Learning**
**Social Studies**
- Culture
- Time, Continuity, and Change
- People, Places, and Environments
- Science, Technology, and Society

**Geography and Global Connections**
- Expanding student horizons beyond the United States
- Neighbors of the United States

**Objectives**
Students learn that:
- different cultures have different belief systems and languages, such as different alphabets, different calendars, and different mathematics
- cultures are dynamic and change over time
- many ancestral Maya traditions are still believed and practiced by the Maya of today
- studying the past makes it possible for us to understand the human story across time

Students will be able to:
- locate a large defined region in the Western Hemisphere called Mesoamerica
- demonstrate knowledge of the Maya, a major civilization of the Western Hemisphere
• identify elements of Maya culture
• identify the Maya number system
• recognize and draw each of the glyphs of the Maya Tzolk’in and Haab calendars
• become familiar with other Maya iconography present in the website

Duration of Activity
1 hour of homework (to explore website) followed by 1 class period

Student Prerequisites
Students should:
• be able to notice patterns
• be familiar with the Living Maya Time website ahead of playing the game

Materials
• Printed and laminated game boards, one for each student
• Printed game cards (do not laminate)
• Beans (1 bag of dried beans)
• Art supplies for drawing (optional)

Teacher Preparation
• Be familiar with the Living Maya Time website
• Print game boards and cards (one board per student and one set of cards)
• Cut the cards to make a stack (or have students do this as part of the activity at the beginning of class)
• Be familiar with the game rules

Game Rules
• Distribute one Lotería board per student, and have students group themselves into groups of 5 or so
• Distribute a large cup of beans to each group of students
• The teacher shuffles the cards and picks up one at a time, calling out the name on the card and showing it to the class
• When the students see the image of the selected card on their board, they will mark the image’s rectangle on his/her board with a bean
• When a student has enough beans on his/her board to trace a line across, vertically, or diagonally through the board, they call out “Lotería” and win
• If more than one student wins at the same time, the student with the highest sum total of their winning cards (that they calculate by adding up the card numbers written on top of each card) is the overall winner
Assessment

Ask students to:

- Draw the Maya numbers from 0 to 19 using dots, bars, and a shell
- Using the Maya Calendar Converter in the Living Maya Time website, select a date important to the students and have them draw and color the date glyphs. Have them draw the glyphs of the Tzolk’in and Haab calendars
- Identify and draw several Maya icons that appear featured in the Living Maya Time website videos and as part of the game
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<thead>
<tr>
<th>Haab - Mol</th>
<th>Tzolk'in Calendar</th>
<th>Haab - Wayeb</th>
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<tr>
<td>South Sur</td>
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<td>Calendar Round</td>
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<td>Luna</td>
<td>Rueda Calendárica</td>
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18 Jaguar
24 Haab - Pop
11 East

36 Haab - Mak
62 Tzolk'in - Ok
5 Sun

12 Armadillo
4 Sky
20 Long Count Dates

35 Monkey
21 Haab - Keh
23 Serpent

18 Haab - Ch'en
11 Jaguar

35 Long Count Dates
20 Haab - Keh
6 Serpent

30 Sky
30 Calendar

62 Tzolk'in - Ok

3 North
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<td>Haab - Muwan</td>
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**Legends:**
- **Astronomer:** Represented by a skull.
- **Jaguar:** Represented by a jaguar.
- **Tzolk’ín:** Represented by a spiral.
- **Scribe:** Represented by a quill.
- **Calendar Round:** Represented by a calendar.
- **Moon:** Represented by a crescent.
- **Haab:** Represented by a bowl.
- **Xbalanqué:** Represented by a bird.
- **7 Macaw:** Represented by a bird.
- **Maya Numbers:** Represented by a number.
- **Hero Twins:** Represented by a pair of figures.
- **Calendar:** Represented by a plate.
- **Maya Calendar:** Represented by a circular object.
- **Plants:** Represented by a plant.
- **7 Guacamayo:** Represented by a bird.
- **Tzolk’ín:** Represented by a spiral.
- **Calendar:** Represented by a plate.
- **Haab:** Represented by a bowl.
- **Xbalanqué:** Represented by a bird.
- **Calendar:** Represented by a plate.
- **Maya Numbers:** Represented by a number.
- **Tzolk’ín:** Represented by a spiral.
- **Calendar:** Represented by a plate.
1. Astronomer
   Astrónoma
2. Calendar Round
   Rueda Calendárica
3. North
   Norte
4. Sky
   Cielo
5. Sun
   Sol
6. Calendar
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7. Venus / Star
   Venus / Estrella
8. Tzolk'in Calendar
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9 7 Macaw
7 Guacamayo

10 Moon
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11 East
Este

12 Armadillo
Armadillo

13 West
Oeste

14 Ball Players
Jugadores de Pelota

15 South
Sur

16 Xbalanqué
17 Hero Twins
Gemelos Héroes

18 Jaguar
Jaguar

19 Maize God
Dios del Maíz

20 Long Count Dates
Fechas de Cuenta Larga

21 Monkey
Mono

22 Scribe
Escriba

23 Serpent
Serpiente

24 Haab - Pop
Haab – Kumk'u

Haab – Wayeb

Tzolk'in – Ajaw

Tzolk'in – Ak'b'al

Tzolk'in B'en

Tzolk'in – Chikchan

Tzolk'in – Chuwen

Tzolk'in – Eb'