

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





Astronomer
Astrónoma



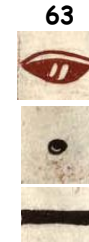
Tzolk'in Calendar
Calendario Tzolk'in



7 Macaw
7 Guacamayo



Haab - Wayeb



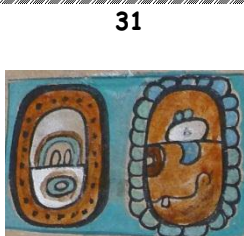
Maya Numbers
Números Mayas



Tzolk'in - Eb'



South
Sur



Haab - Mol



Calendar Round
Rueda Calendárica



Haab - Yaxk'in



Tzolk'in - Kab'an



Plants
Plantas



Moon
Luna



Xbalanqué



Tzolk'in - Chikchan



Ball Players
Jugadores de Pelota



West
Oeste



Haab - Kayab



Haab - Sip



Tzolk'in - Eb'



Scribe
Escriba



Haab - Muwan



Monkey
Mono



Tzolk'in - Ajaw

17



Hero Twins
Gemelos Héroes

24



Haab - Pop

11



East
Este

32



Haab - Ch'en

18



Jaguar
Jaguar

57



Tzolk'in - Kimi

36



Haab - Mak

19



Maize God
Dios del Maíz

5



Sun
Sol

34



Haab - Sak

52



Tzolk'in - Ix

21



Monkey
Mono

12



Armadillo
Armadillo

27



Haab - Sotz'

20



Long Count Dates
Fechas de Cuenta Larga

4



Sky
Cielo

30



Haab - Yaxk'in

3



North
Norte

35



Haab - Keh

58



Tzolk'in - Lamat

23



Serpent
Serpiente

7



Venus / Star
Venus / Estrella

6



Calendar
Calendario

62



Tzolk'in - Ok

31



Haab - Mol

8



Tzolk'in Calendar
Calendario Tzolk'in

42



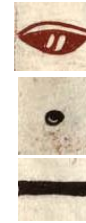
Haab - Wayeb

30



Haab - Yaxk'in

63



Maya Numbers
Números Mayas

48



Tzolk'in - Eb'

15



South
Sur

1



Astronomer
Astrónoma

2



Calendar Round
Rueda Calendárica

9



7 Macaw
7 Guacamayo

46



Tzolk'in - Chikchan

64



Plants
Plantas

10



Moon
Luna

21



Monkey
Mono

53



Tzolk'in - Kab'an

14



Ball Players
Jugadores de Pelota

16



Xbalanqué

18



Jaguar
Jaguar

26



Haab - Sip

7



Venus / Star
Venus / Estrella

48



Tzolk'in - Eb'

4



Sky
Cielo

13



West
Oeste

43



Tzolk'in - Ajaw

<p>5</p>  <p>Sun Sol</p>	<p>8</p>  <p>Tzolk'in Calendar Calendario Tzolk'in</p>	<p>11</p>  <p>East Este</p>	<p>32</p>  <p>Haab - Ch'en</p>	<p>40</p>  <p>Haab - Kayab</p>	<p>56</p>  <p>Tzolk'in - K'ib'</p>
<p>25</p>  <p>Haab - Wo'</p>	<p>32</p>  <p>Haab - Ch'en</p>	<p>17</p>  <p>Hero Twins Gemelos Héroes</p>	<p>34</p>  <p>Haab - Sak</p>	<p>54</p>  <p>Tzolk'in - K'an</p>	<p>21</p>  <p>Monkey Mono</p>
<p>23</p>  <p>Serpent Serpiente</p>	<p>39</p>  <p>Haab - Pax</p>	<p>3</p>  <p>North Norte</p>	<p>44</p>  <p>Tzolk'in - Ak'b'al</p>	<p>30</p>  <p>Haab - Yaxk'in</p>	<p>3</p>  <p>North Norte</p>
<p>35</p>  <p>Haab - Keh</p>	<p>50</p>  <p>Tzolk'in - Ik'</p>	<p>12</p>  <p>Armadillo Armadillo</p>	<p>7</p>  <p>Venus / Star Venus / Estrella</p>	<p>6</p>  <p>Calendar Calendario</p>	<p>41</p>  <p>Haab - Kum'ku</p>

63



Maya Numbers
Números Mayas

24



Haab - Pop

20



Long Count Dates
Fechas de Cuenta Larga

9



7 Macaw
7 Guacamayo

15



South
Sur

48



Tzolk'in - Eb'

16



Xbalanqué

18



Jaguar
Jaguar

30



Haab - Yaxk'in

30



Haab - Yaxk'in

1



Astronomer
Astrónoma

64



Plants
Plantas

35



Haab - Keh

17



Hero Twins
Gemelos Héroes

46



Tzolk'in - Chikchan

43



Tzolk'in - Ajaw

13



West
Oeste

41



Haab - Kum'ku

26



Haab - Sip

47



Tzolk'in - Chuwen

22



Scribe
Escriba

38



Haab - Muwan

19



Maize God
Dios del Maíz

53



Tzolk'in - Kab'an

14



Ball Players
Jugadores de Pelota

24



Haab - Pop

17



Hero Twins
Gemelos Héroes

32



Haab - Ch'en

19



Maize God
Dios del Maíz

60



Tzolk'in - Men

36



Haab - Mak

54



Tzolk'in - K'an

16



Xbalanqué

34



Haab - Sak

59



Tzolk'in - Manik'

21



Monkey
Mono

64



Plants
Plantas

37



Haab - K'ank'in

20



Long Count Dates
Fechas de Cuenta Larga

53



Tzolk'in - Kab'an

30



Haab - Yaxk'in

3



North
Norte

35



Haab - Keh

61



Tzolk'in - Muluk

23



Serpent
Serpiente

7



Venus / Star
Venus / Estrella

22



Scribe
Escriba

44



Tzolk'in - Ak'b'al

31



Haab - Mol

47



Tzolk'in - Chuwen

18



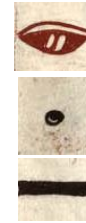
Jaguar
Jaguar

17



Hero Twins
Gemelos Héroes

63



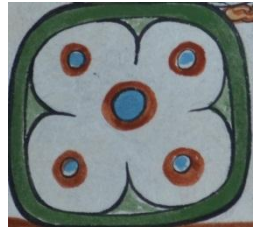
Maya Numbers
Números Mayas

48



Tzolk'in - Eb'

5



Sun
Sol

1



Astronomer
Astrónoma

2



Calendar Round
Rueda Calendárica

9



7 Macaw
7 Guacamayo

52



Tzolk'in - Ix

64



Plants
Plantas

10



Moon
Luna

9



7 Macaw
7 Guacamayo

53



Tzolk'in - Kab'an

11



East
Este

16



Xbalanqué

53



Tzolk'in - Kab'an

27



Haab - Sotz'

7



Venus / Star
Venus / Estrella

49



Tzolk'in - Etz'nab

55



Tzolk'in - Kawak

6



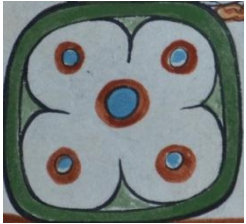
Calendar
Calendario

43



Tzolk'in - Ajaw

5



Sun
Sol

7



Venus
Venus

11



East
Este

10



Moon
Luna

40



Haab - Kayab

12



Armadillo
Armadillo

27



Haab - Sotz'

8



Tzolk'in Calendar
Calendario Tzolk'in

17



Hero Twins
Gemelos Héroes

34



Haab - Sak

18



Jaguar
Jaguar

21



Monkey
Mono

23



Serpent
Serpiente

39



Haab - Pax

57



Tzolk'in - Kimi

20



Long Count Dates
Fechas de Cuenta Larga

30



Haab - Yaxk'in

3



North
Norte

35



Haab - Keh

58



Tzolk'in - Lamat

12



Armadillo
Armadillo

7



Venus / Star
Venus / Estrella

6



Calendar
Calendario

5



Sun
Sol



1

Astronomer
Astrónoma



58

Tzolk'in - Lamat



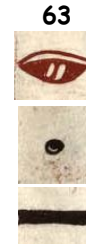
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7 Macaw
7 Guacamayo



42

Haab - Wayeb



63

Maya Numbers
Números Mayas



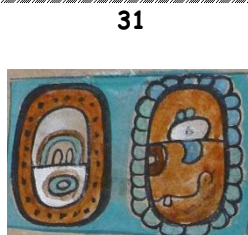
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Tzolk'in - Ajaw



12

Armadillo
Amadillo



31

Haab - Mol



7

Venus / Star
Venus / Estrella



30

Haab - Yaxk'in



39

Haab - Pax



64

Plants
Plantas



10

Moon
Luna



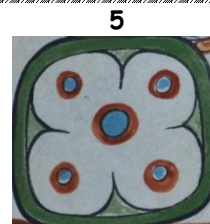
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Haab - Yaxk'in



46

Tzolk'in - Chikchan



5

Sun
Sol



13

West
Oeste



35

Haab - Keh



26

Haab - Sip



57

Tzolk'in - Kimi



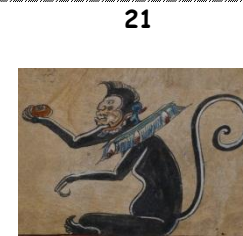
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Scribe
Escriba



38

Haab - Muwan



21

Monkey
Mono



53

Tzolk'in - Kab'an

18



Jaguar
Jaguar

24



Haab - Pop

11



East
Este

32



Haab - Ch'en

18



Jaguar
Jaguar

11



East
Este

36



Haab - Mak

62



Tzolk'in - Ok

5



Sun
Sol

35



Haab - Keh

20



Long Count Dates
Fechas de Cuenta Larga

21



Monkey
Mono

12



Armadillo
Armadillo

4



Sky
Cielo

20



Long Count Dates
Fechas de Cuenta Larga

4



Sky
Cielo

30



Haab - Yaxk'in

3



North
Norte

35



Haab - Keh

21



Monkey
Mono

23



Serpent
Serpiente

23



Serpent
Serpiente

6



Calendar
Calendario

62



Tzolk'in - Ok

31



Haab - Mol

23



Serpent
Serpiente

42



Haab - Wayeb

30



Haab - Yaxk'in

53



Tzolk'in - Kab'an

21



Monkey
Mono

6



Calendar
Calendario

1



Astronomer
Astrónoma

63



Maya Numbers
Números Mayas

26



Haab - Sip

46



Tzolk'in Chikchan

53



Tzolk'in - Kab'an

10



Moon
Luna

21



Monkey
Mono

53



Tzolk'in - Kab'an

14



Ball Players
Jugadores de Pelota

12



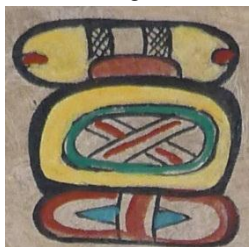
Armadillo
Armadillo

18



Jaguar
Jaguar

26



Haab - Sip

14



Ball Players
Jugadores de Pelota

48



Tzolk'in - Eb'

1



Astronomer
Astrónoma

13



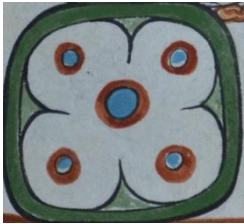
West
Oeste

43



Tzolk'in - Ajaw

5



Sun
Sol

8



Tzolk'in Calendar
Calendario Tzolk'in

44



Tzolk'in - Ak'b'al

32



Haab - Ch'en

39



Haab - Pax

56



Tzolk'in K'ib'

56



Tzolk'in - K'ib'

32



Haab - Ch'en

6



Calendar
Calendario

23



Serpent
Serpiente

54



Tzolk'in - K'an

14



Ball Players
Jugadores de Pelota

23



Serpent
Serpiente

39



Haab - Pax

3



North
Norte

44



Tzolk'in - Ak'b'al

5



Sun
Sol

3



North
Norte

35



Haab - Keh

41



Haab - Kumk'u

12



Armadillo
Armadillo

8



Tzolk'in Calendar
Calendario Tzolk'in

6



Calendar
Calendario

41



Haab - Kumk'u

63



Maya Numbers
Números Mayas

64



Plants
Plantas

20



Long Count Dates
Fechas de Cuenta Larga

9



7 Macaw
7 Guacamayo

6



Calendar
Calendario

48



Tzolk'in - Eb'

1



Astronomer
Astrónoma

18



Jaguar
Jaguar

9



7 Macaw
7 Guacamayo

10



Moon
Luna

1



Astronomer
Astrónoma

17



Hero Twins
Gemelos Héroes

35



Haab - Keh

17



Hero Twins
Gemelos Héroes

46



Tzolk'in - Chikchan

43



Tzolk'in - Ajaw

64



Plants
Plantas

41



Haab - Kumk'u

41



Haab - Kumk'u

47



Tzolk'in - Chuwen

6



Calendar
Calendario

38



Haab - Muwan

19



Maize God
Dios del Maíz

53



Tzolk'in - Kab'an

14



Ball Players
Jugadores de Pelota

24



Haab - Pop

30



Haab - Yaxk'in

20



Long Count Dates
Fechas de Cuenta Larga

19



Maize God
Dios del Maíz

16



Xbalanqué

21



Monkey
Mono

54



Tzolk'in - K'an

16



Xbalanqué

34



Haab - Sak

54



Tzolk'in - K'an

21



Monkey
Mono

64



Plants
Plantas

22



Scribe
Escriba

20



Long Count Dates
Fechas de Cuenta Larga

53



Tzolk'in - Kab'an

30



Haab - Yaxk'in

24



Haab - Pop

35



Haab - Keh

53



Tzolk'in - Kab'an

23



Serpent
Serpiente

1



Astronomer
Astrónoma

22



Scribe
Escriba

43



Tzolk'in - Ajaw



Astronomer
Astrónoma



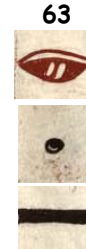
Tzolk'in - Chuwen



Jaguar
Jaguar



Hero Twins
Gemelos Héroes



Maya Numbers
Números Mayas



Tzolk'in - Eb'



Scribe
Escriba



Plants
Plantas



Calendar Round
Rueda Calendárica



7 Macaw
7 Guacamayo



Tzolk'in - Chuwen



Plants
Plantas



Moon
Luna



7 Macaw
7 Guacamayo



Tzolk'in - Kab'an



Calendar Round
Rueda Calendárica



Xbalanqué



Haab - Sak



Haab - Sotz'



Xbalanqué



Tzolk'in - Etz'nab



Tzolk'in - Kab'an



Calendar
Calendario



Tzolk'in - Ajaw

11



East
Este

7



Venus
Venus

11



East
Este

10



Moon
Luna

40



Haab - Kayab

48



Tzolk'in - Eb'

27



Haab - Sotz'

53



Tzolk'in - Kab'an

17



Hero Twins
Gemelos Héroes

52



Tzolk'in - Ix

18



Jaguar
Jaguar

21



Monkey
Mono

23



Serpent
Serpiente

39



Haab - Pax

57



Tzolk'in - Kimi

20



Long Count Dates
Fechas de Cuenta Larga

26



Haab - Sip

3



North
Norte

5



Sun
Sol

20



Long Count Dates
Fechas de Cuenta Larga

12



Armadillo
Armadillo

62



Tzolk'in - Ok

6



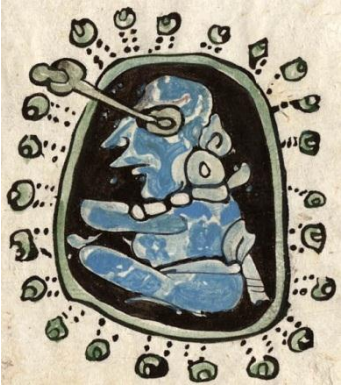
Calendar
Calendario

5



Sun
Sol

1



**Astronomer
Astrónoma**

2



**Calendar Round
Rueda Calendárica**

3



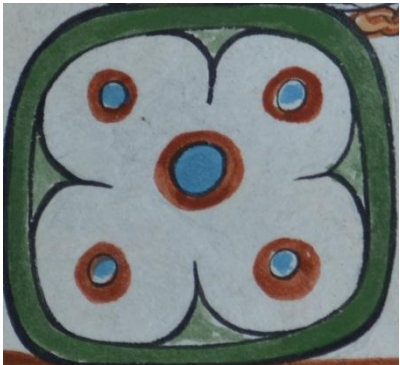
**North
Norte**

4



**Sky
Cielo**

5



**Sun
Sol**

6



**Calendar
Calendario**

7



**Venus / Star
Venus / Estrella**

8



**Tzolk'in Calendar
Calendario Tzolk'in**

9



7 Macaw
7 Guacamayo

10



Moon
Luna

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

25



Haab - Wo'

26



Haab - Sip

27



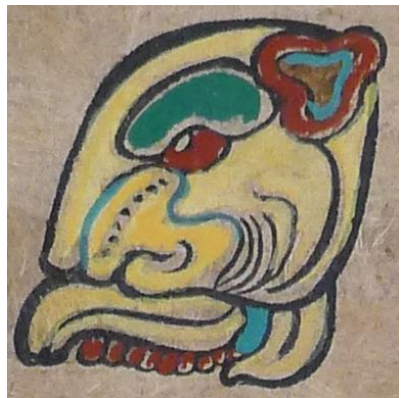
Haab - Sotz'

28



Haab - Sek

29



Haab - Xul

30



Haab - Yaxk'in

31



Haab - Mol

32



Haab - Ch'en

33



Haab - Yax

34



Haab - Sak

35



Haab - Keh

36



Haab - Mak

37



Haab - K'ank'in

38



Haab - Muwan

39



Haab - Pax

40



Haab - K'ayab

41



Haab - Kumk'u

42



Haab - Wayeb

43



Tzolk'in - Ajaw

44



Tzolk'in - Ak'b'al

45



Tzolk'in B'en

46



Tzolk'in - Chikchan

47



Tzolk'in - Chuwen

48



Tzolk'in - Eb'

49



Tzolk'in - Etz'nab

50



Tzolk'in - Ik'

51



Tzolk'in - Imix'

52



Tzolk'in - Ix

53



Tzolk'in - Kab'an

54



Tzolk'in - K'an

55



Tzolk'in - Kawak

56



Tzolk'in - K'ib'

57



Tzolk'in - Kimi

58



Tzolk'in - Lamat

59



Tzolk'in - Manik'

60



Tzolk'in - Men

61



Tzolk'in - Muluk

62



Tzolk'in - Ok

63



Maya Numbers
Números Mayas

64



Plants
Plantas