

# "Take it to the Mayor" Game

**Sixth Grade**

**Activity: 4**

**Time: 1-2 Class Periods**

## **General Description**

Students will play an energy game increasing their understanding and knowledge of conservation. In the process of playing this game, students will be able use their knowledge of conservation to propose a solution to an energy need.

## **Objectives**

Students will increase their understanding of conservation and apply that understanding to a new situation.

## **Arizona State Standards**

SC06 S3C2 PO1 Propose viable methods of responding to an identified need or problem

SC06 S3C2 PO2 Compare possible solutions to best address an identified need or problem

W06 S1C1 PO1 Generate ideas through a variety of activities (e.g., prior knowledge, discussion with others, printed material or other sources)

W06 S3C2 PO1 Record information (e.g., observations, notes, lists, charts, map labels and legends) related to the topic

W06 S3C4 PO1 Write persuasive text (e.g., essay, paragraph, written communications) that:

- a. establishes and develops a controlling idea
- b. supports arguments with detailed evidence
- c. includes persuasive techniques
- d. excludes irrelevant information

## **Teacher Information**

There are many ways to conserve energy. This game will introduce a variety of actions that either conserve or waste energy. Giving students the opportunity to study a variety of brochures and pamphlets on energy conservation will enhance the effectiveness of this activity.

## **Materials**

Activity Card 6-4a - put together to make a game board

Activity Cards 6-4b (Council Cards), 6-4c (Mayor Cards), 6-4d (Car Inspection Cards). Copy two sided, cut so there are two sets

Energy conservation pamphlets and brochures

Dice (1 per board)

Game markers (game pieces from Monopoly or another similar game)

**Energy conservation materials can be provided by:**

Arizona Department of Commerce Energy Office

(602) 771-1194 or 1-800-352-5499







Especially “Bright Ideas” series and “Just Conserve It” series

APS

Phone (602) 250-2291

Especially “Ways to Save Energy”

**Procedures/Exploration**

1. Tell students they will play an energy conservation game that will give them the opportunity to identify conservation versus waste. They will play the game twice. Between the two games they will be given the opportunity to do research to make new pieces for the game and better decisions during the second game.
2. The game can be played by two to four players for each board. Make sure you explain the rules to the students, modeling one round:
  -  Each student rolls the die and the highest number goes first.
  -  In turn, each player rolls the die and moves their marker the number of spaces indicated on the die.
  -  If a player lands on a space with a plus or minus number, that number is recorded on a score sheet.
  -  If a player lands on a space that says "Draw a Mayor card", the player draws and records that number on the score sheet.
  -  If the mayor card says to "Draw a City Council card", the player draws a card and records that number on the score sheet.
  -  If a player lands on a car inspection space, he draws a card and records the number on the score sheet.
3. Have the students keep a record of their points and the reasons for those points.
4. The winner of the game is the person with the highest total number at the end.
5. After the game has been played, have the students' research and analyze why the numbers were positive and negative for the actions in the game.
6. Provide research materials and time in order for student to create new actions to replace those on the game. Encourage them to create both positive and negative spaces and cards.
7. Students could play the game again using their revised spaces and cards. This would also be a good activity to have students share with lower grade level students.
8. As a final wrap up have the students write a persuasive essay on why they made the decisions they made.

# "Take it to the Mayor" Game Board

**Sixth Grade**  
**Activity: 4**  
**Activity Card: 6-4a**

<b>1</b> Start 	<b>16</b> You took a hot bath rather than a shower. -6	<b>17</b> You cut down the tree on the west side of your house. -5	<b>18</b> You left the classroom door open. -4
<b>2</b> You left the bathroom light on all day. -5	<b>15</b> You wrote your congressman asking for solar support. +3		<b>19</b> Your family bought a jacket for the water heater. +3
<b>3</b> You recycle at home. +5	<b>14</b> You and a friend went shopping together. +3		<b>20</b> You waited till after dark to water your outside plants +3
<b>4</b> You drove 65 mph on the freeway. -3	<b>13</b> You have a plan for car pooling. take it to the Mayor. Draw a Mayor card		<b>21</b> You burned your old newspapers instead of recycling. -3
<b>5</b> You had your car inspected. Draw an inspection card.	<b>12</b> You left your air conditioner turned on at 78° when you went on summer vacation. -6		<b>22</b> You had your car inspected. Draw an inspection card.
<b>6</b> You inflated your tires to proper pressure. +3	<b>11</b> You made a solar cooker. +4		<b>23</b> You left the TV on when you went out to play. -3
<b>7</b> You left water dripping in the shower. -4	<b>10</b> You rode your bike to the ball game instead of riding in the car. +5		<b>24</b> You have a plan for park grass that uses less water. Take it to the Mayor. Draw a Mayor card.
<b>8</b> You have an idea for a bike club. Take it to the Mayor. Draw a Mayor card.	<b>9</b> You let irrigation overflow into the street. -5		<b>25</b> You helped your mom do laundry after 9 p.m. +4

<b>3</b> You had your car inspected. Draw an inspection card.	<b>34</b> You ran the dishwasher without a full load. -5	<b>35</b> You left all the lights turned on in the house when you left. -4	<b>50</b> <b>END</b> Give yourself one point for each player behind you.
<b>32</b> You didn't clean the dryer's lint filter after drying your clothes. -6		<b>36</b> Your family installed a solar water heater. +6	<b>49</b> You left the TV on again. Go back to 23 and lose 3 points. -3
<b>31</b> Your family had a cook-out. Saved heating up the house +4		<b>37</b> You rode your bike to school this morning. +2	<b>48</b> You left the water running while you brushed your teeth. -5
<b>30</b> You reminded dad to get a tune-up on his car +6		<b>38</b> You started a "Save Energy" program at school. +5	<b>47</b> You had your car inspected. Draw an inspection card.
<b>29</b> You had your car inspected. Draw an inspection card.		<b>39</b> You wore a sweater rather than complaining about the thermostat set at 68° in the winter. +4	<b>46</b> You suggested weather stripping for a business. Take it to the Mayor. Draw a Mayor card.
<b>28</b> You left the fireplace damper open with no fire. -3		<b>40</b> You heated the oven to warm rolls and forgot to turn it off until after dinner. -6	<b>45</b> You ran the washing machine half full so you could wear your favorite shirt. -3
<b>27</b> You planted trees around your house. +3		<b>41</b> You had your car inspected. Draw an inspection card.	<b>44</b> You used an electric can opener instead of doing it yourself -3
<b>26</b> Your club wants to install a bike path. Take it to the Mayor. Draw a Mayor card.		<b>42</b> You have an idea on irrigation that will get more land watered. Take it to the Mayor. Draw a Mayor card	<b>43</b> You installed low-flow shower heads in your bathroom shower. +2

# City Council Cards

Sixth Grade

Activity: 4

Activity Card: 6-4b

**City Council Card**

**APS Power Posse™**

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<p>Not worth Phoenix tax dollars. No way.</p> <p>-2</p>	<p>Motion carried!!!!</p> <p>+7</p>
<p>Since the major businesses will be footing the bill, we approve.</p> <p>+4</p>	<p>A 1.5 % city tax increase? No!!!!</p> <p>-3</p>
<p>This sounds too rich for our town. No!!!!</p> <p>-3</p>	<p>Not worth considering.</p> <p>-1</p>
<p>This sounds like a nice asset to our community. Yes!!!!</p> <p>+5</p>	<p>Super idea!!!!</p> <p>+10</p>
<p>Our town needs that type of progressive thinking. Yes!!</p> <p>+3</p>	<p>No money this year. Come back again.</p> <p>-1</p>

# Mayor Cards

Sixth Grade

Activity: 4

Activity Card: 6-4c

<p>Mayor Card</p> <p><b>APS Power Posse™</b></p>	<p>Mayor Card</p> <p><b>APS Power Posse™</b></p>
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<p>Mayor Card</p> <p><b>APS Power Posse™</b></p>	<p>Mayor Card</p> <p><b>APS Power Posse™</b></p>

That's a good idea. We will  
pass it on to the City Council.  
(Draw a City Council card)  
+1

Mayor likes the idea but thinks  
Council will disapprove.  
-3

Super idea!  
Take it to the City Council.  
(Draw a City Council card)  
+2

It's a good idea but the  
people living farthest from  
town won't like it. No!!!!  
-4

Mayor likes the idea.  
Pass it on to the City Council.  
(Draw a City Council card)  
+2

Mayor agrees!  
Take it to the City Council.  
(Draw a City Council card)  
+1

Businesses in Phoenix would be  
against such an idea.  
No!!  
-2

Try again after the election.  
-1

# Car Inspection Cards

Sixth Grade

Activity: 4

Activity Card: 6-4d

**Car inspection card**

***APS Power Posse™***

**Car inspection card**

***APS Power Posse™***

**Car inspection card**

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**Car inspection card**

***APS Power Posse™***

<p>In your car you had weather stripping for your windows.</p> <p>+5</p>	<p>In your car you had a new oil filter for your car.</p> <p>+3</p>
<p>In your car you had individually wrapped candies.</p> <p>-1</p>	<p>In your car you had low wattage light bulbs for low light areas.</p> <p>+3</p>
<p>In your car you had fried chicken TV dinners for the whole family.</p> <p>-3</p>	<p>In your car you had a new filter for your air conditioner.</p> <p>+3</p>
<p>In your car you had sunscreens for your windows</p> <p>+5</p>	<p>In your car you had new spark plugs for your car.</p> <p>+3</p>
<p>In your car you had a list of things you need from other nearby stores in order to save gas.</p> <p>+5</p>	<p>In your car you had an outdoor loudspeaker for your car.</p> <p>-4</p>