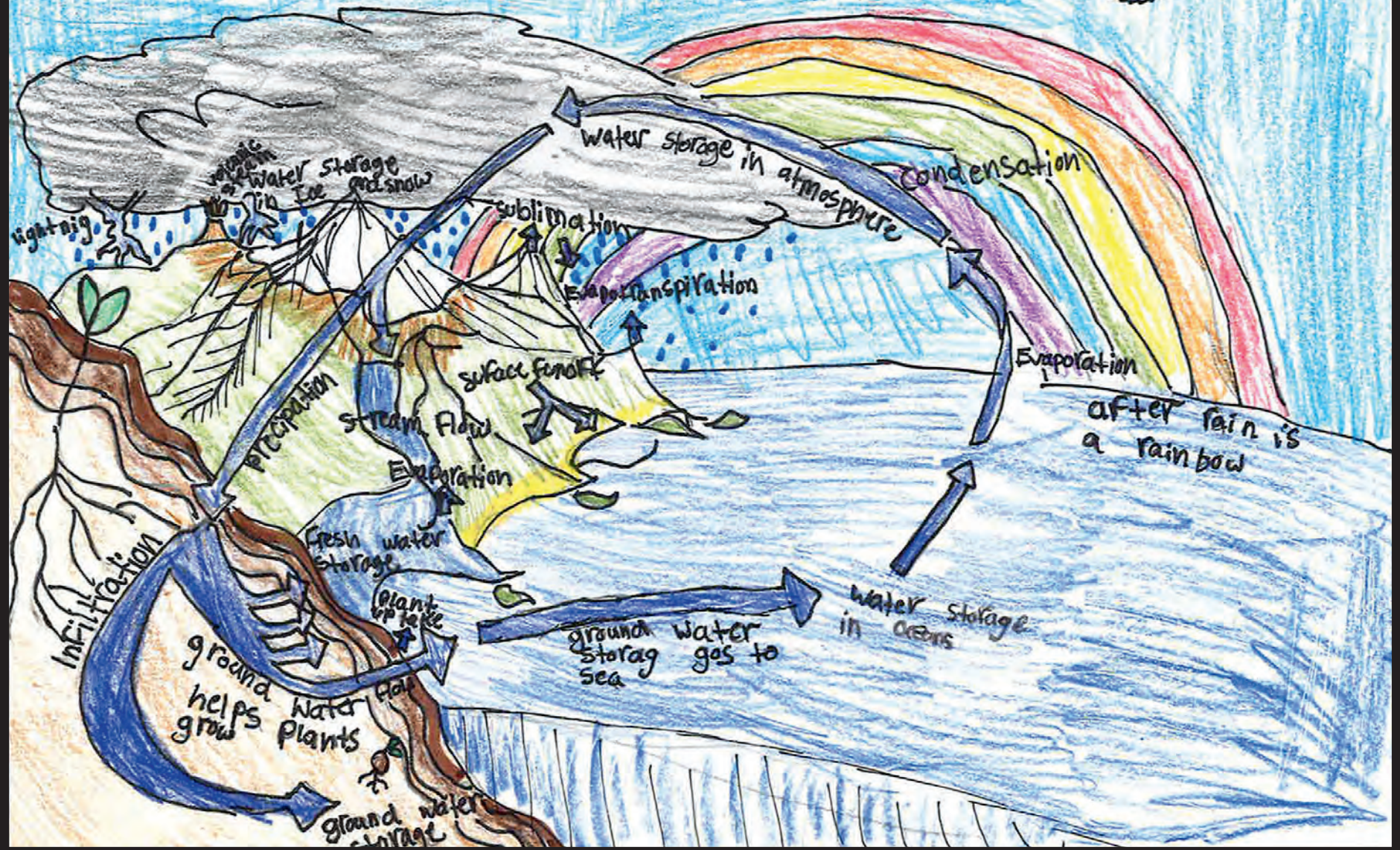


The Water Cycle

2019 Calendar



Conservation Education

Indoor Conservation Tips

1. Replace older toilets with WaterSense labeled high efficiency toilets. Older toilets can use four times more water per flush. Rebate available at Hillsboro-Oregon.gov/Rebates.
2. Regularly check for and repair leaks. Even small leaks can waste hundreds to thousands of gallons of water per month. Many leaks can be fixed by a do-it-yourself plumber, and repair parts are relatively inexpensive to purchase (\$5-20).
3. Install a high efficiency showerhead and you could save about one gallon per minute.
4. Install an aerator on your bathroom or kitchen faucet and save about one gallon per minute. An aerator reduces the flow from the faucet, and uses air to maintain good water pressure.
5. Take shorter showers. Each minute you shave off your shower time saves up to 2.5 gallons.



Outdoor Conservation Tips

1. Adjust your sprinklers so that they're watering your lawn and garden, and not the street or sidewalk.
2. Water early in the morning (before 10 am) or later in the evening (after 6 pm) when temperatures are cooler and evaporation is minimized.
3. Set it, but don't forget it! Whether you have a manual or automatic system, be sure to adjust your watering schedules throughout the irrigation season.
4. Established lawns require about one inch of water per week, a bit more during hot, dry weather. Find out how much to water this week with the Weekly Watering Number. Sign up at Conserveh2o.org.
5. Consider replacing some turf area with low water use plants and ornamental grasses. They are easier to maintain than turf, look beautiful, and require far less water.

Water Department Numbers:

Billing:	503-681-6163
General Information:	503-615-6702
Emergency:	503-615-6700
After Hours Pager:	503-615-6675

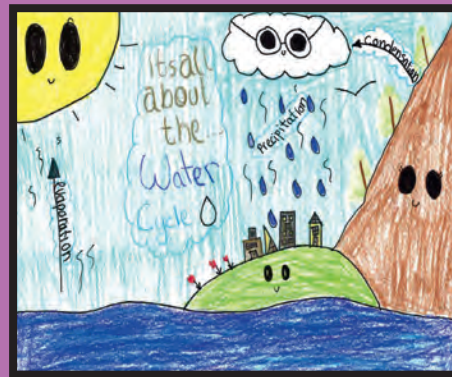
Hillsboro-Oregon.gov/Water

Follow us on:





Ashlyn Pedersen
3rd Grade
Quatama



Brooklyn Genduso
5th Grade
Ladd Acres

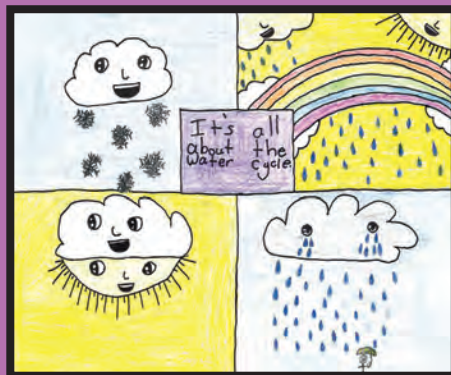


Daxy Landre
3rd Grade
Brookwood



Jaxson Herinckx
2nd Grade
Patterson

Honorable Mentions



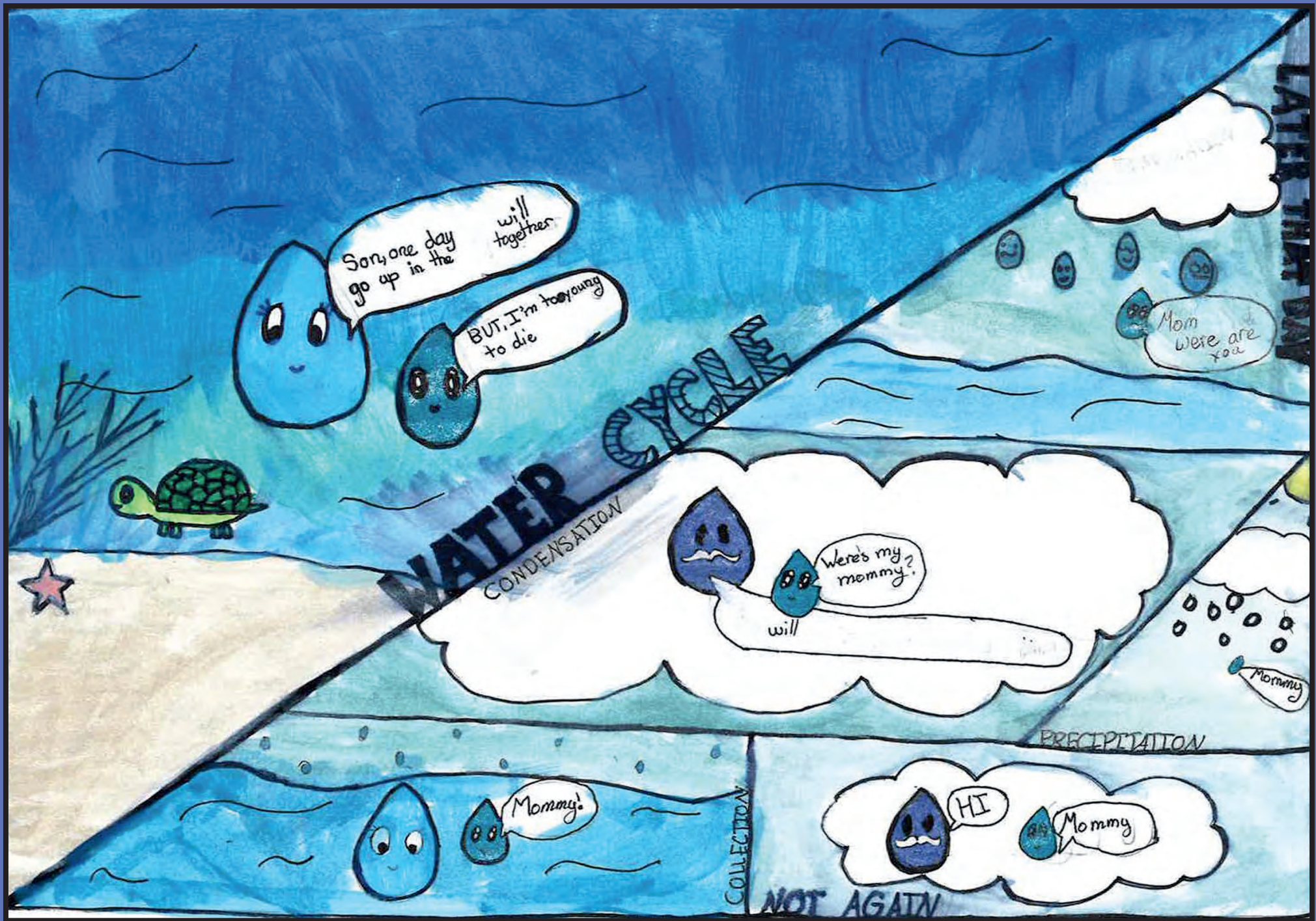
Jayden Oakes
3rd Grade
Eastwood



Malia Lyn McDonald
3rd Grade
McKinney



Sabina Varner
Kindergarten
Lincoln Street



January

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27	28	29	30	31	MARK YOUR CALENDAR: Check for leaks after first thaw. The changes in temperature between night and day can cause pipes to expand and contract, which can cause leaks. Tips at Hillsboro.Oregon.gov/Water .																																																																																																										



The Water Cycle

#2019NewYearsWaterResolution: Consider WaterSense Products! Advances in plumbing technology and design mean that faucets, showers, and toilets can use significantly less water than standard models. Products with the WaterSense label meet Environmental Protection Agency criteria for water efficiency and performance, use about 20 percent less water, and perform as well or better than their less efficient counterparts. Learn more about WaterSense and make every drop count at Hillsboro-Oregon.gov/Conservation.



February

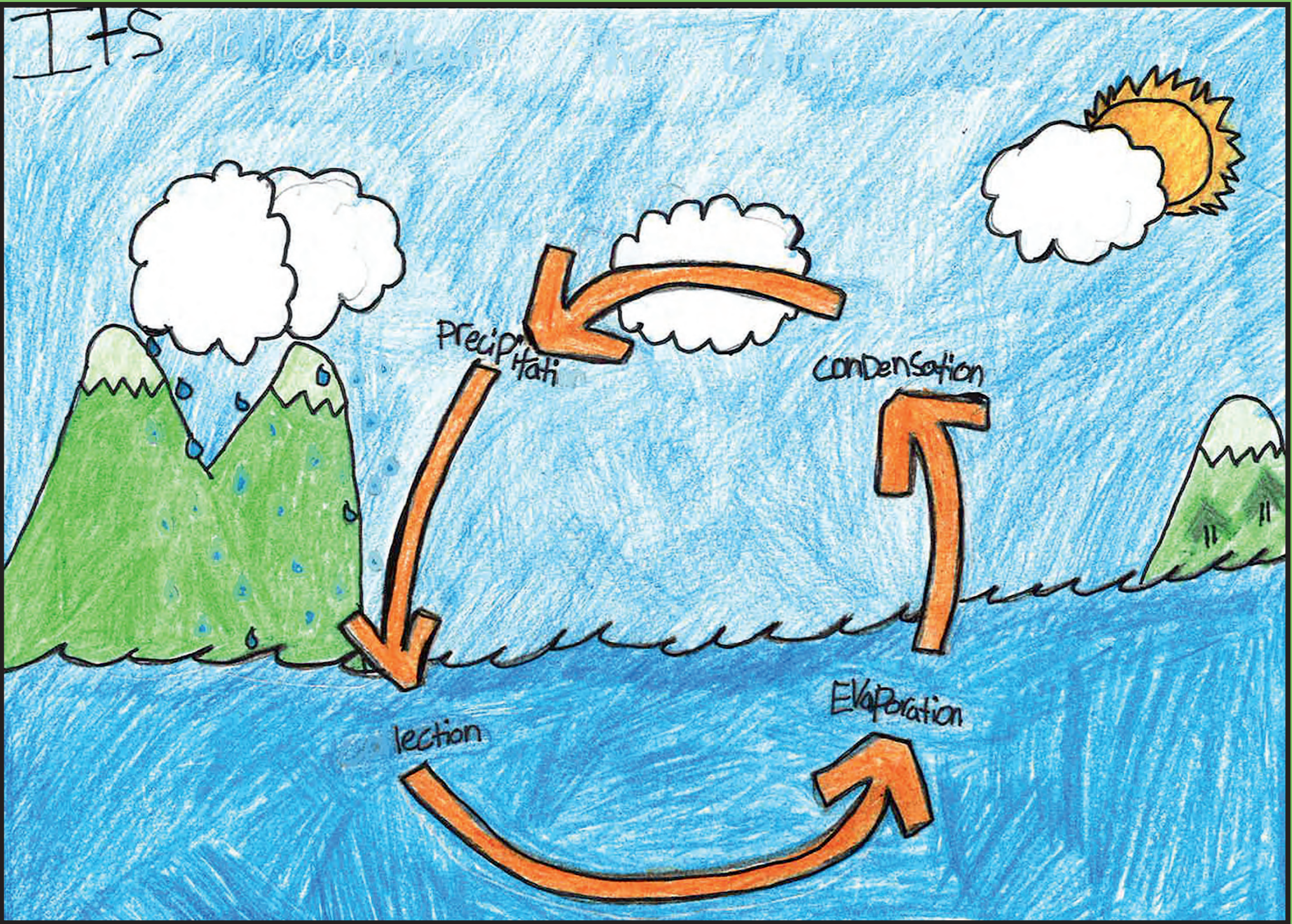
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The Water Cycle

This Valentine's Day, Fall In Love With Hillsboro's Tap Water: Our tap water comes to us as rainfall in the majestic Tualatin River Watershed. Unlike bottled water, Hillsboro's tap water tastes better, costs less, is high quality, sustainable and essential to good health.

ITS



March

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Leaks Can Run, But They Can't Hide. About 12 percent of the average American household's water use is actually due to household leaks. Typical culprits are running toilets, dripping faucets, and other leaking valves.	<table border="1"> <thead> <tr> <th colspan="7">February</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> </tr> <tr> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> </tr> <tr> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> </tr> <tr> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td></td> <td></td> </tr> </tbody> </table>		February							Su	Mo	Tu	We	Th	Fr	Sa						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			<table border="1"> <thead> <tr> <th colspan="7">April</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> </tr> <tr> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> </tr> <tr> <td>28</td> <td>29</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		April							Su	Mo	Tu	We	Th	Fr	Sa		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					1	2
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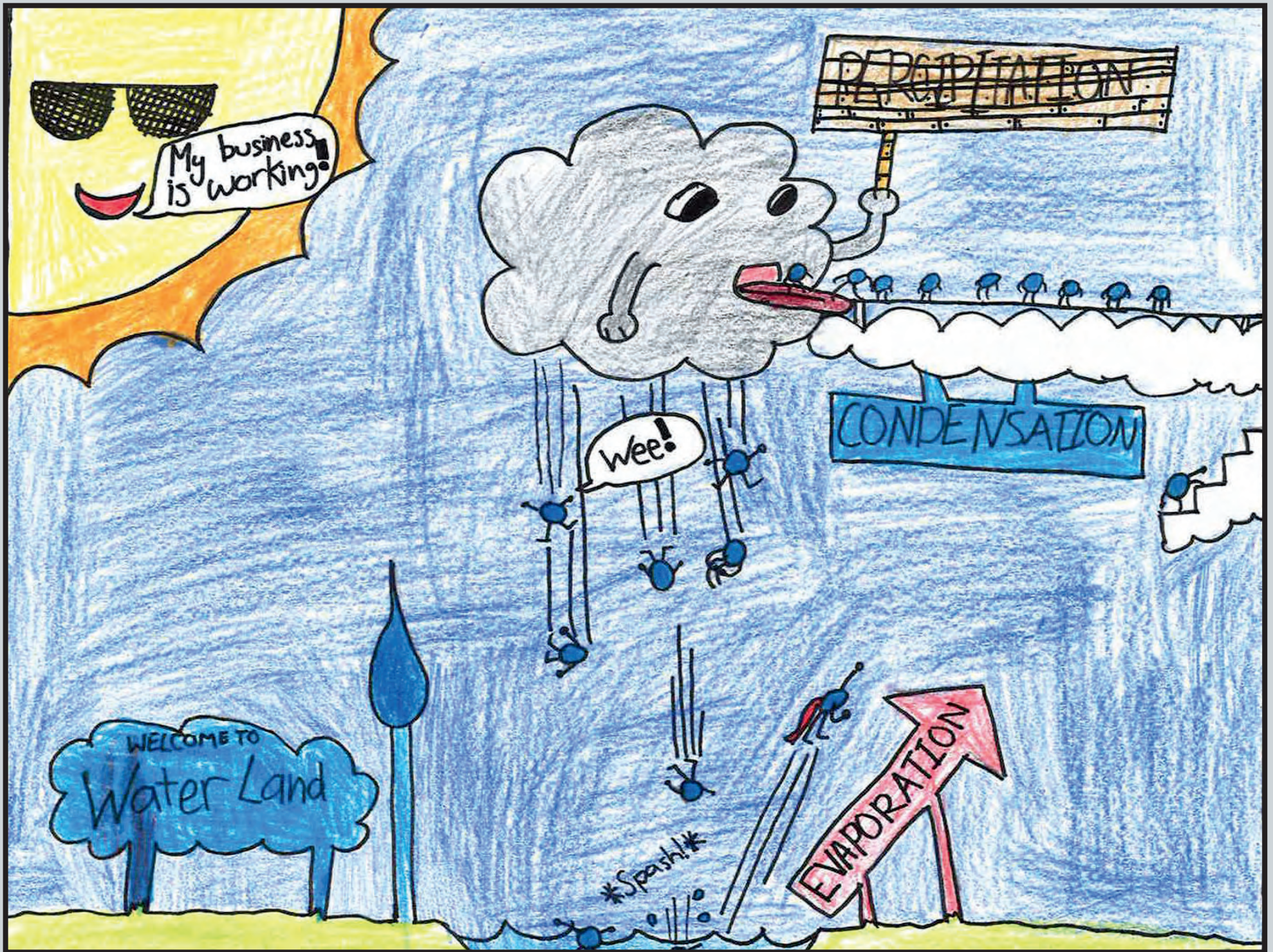
Fix a Leak Week

World Water Day



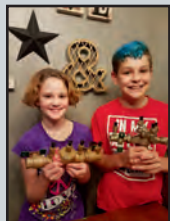
The Water Cycle

Be a Leak Detective - Call to Action during Fix a Leak Week: Use your water meter to check for leaks. To do so, check your water meter before and after a two-hour period when no water is being used. If the meter does not read exactly the same, you probably have a leak. For more information, visit Conserveh2o.org/outdoor-leak-detection-repair.



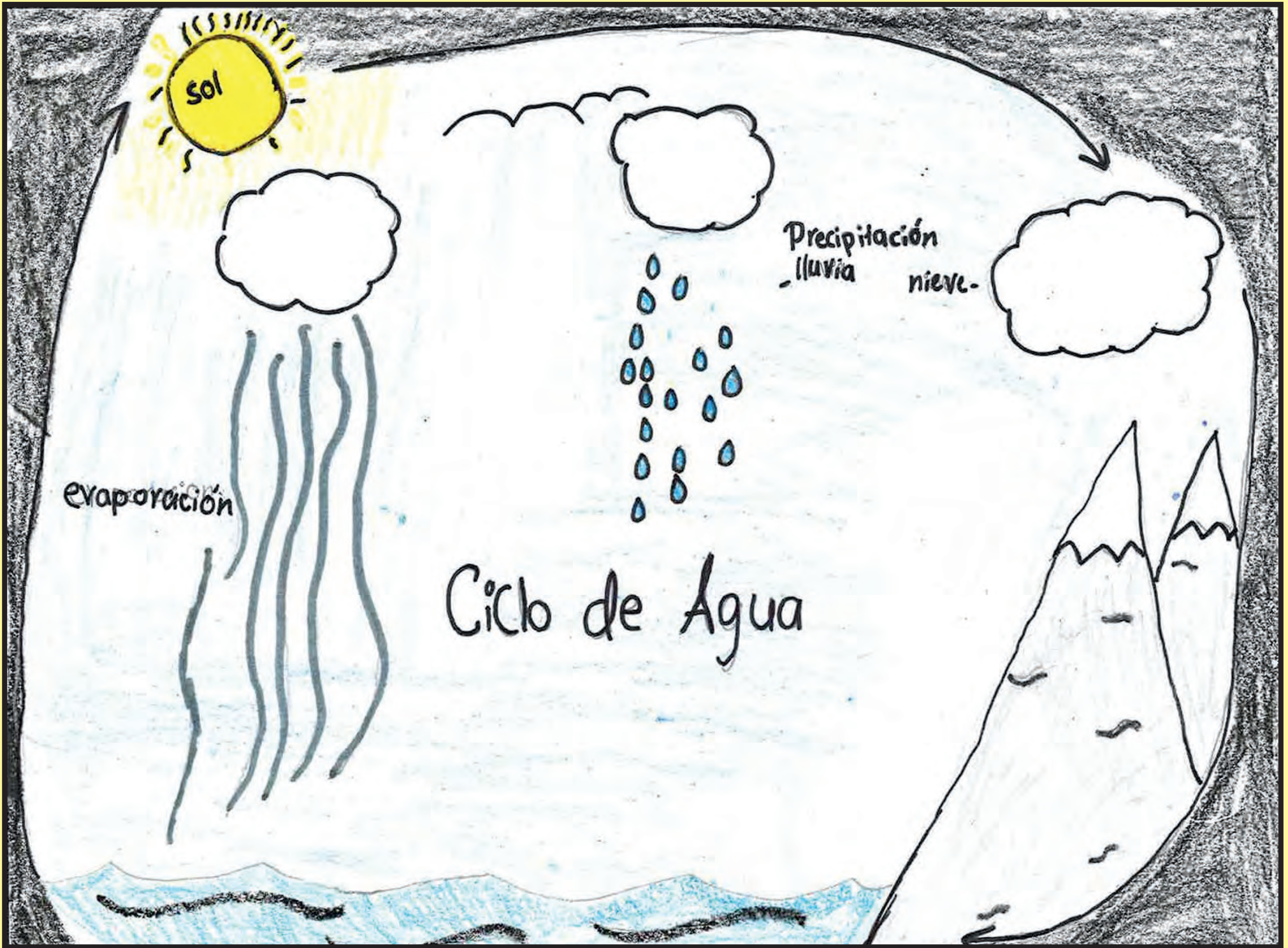
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The Water Cycle

Mark Your Calendar – Backflow Tests Due Annually on July 1: To help safeguard Hillsboro’s public water system from pollution and contamination, the City of Hillsboro Water Department requires residential customers to test their backflow prevention assemblies by July 1 of each year. Details at Hillsboro-Oregon.gov/Backflow.



May

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Did you know? Water served by the City of Hillsboro Water Department is considered 'soft', which means it contains very few minerals. For more information on your water, visit Hillsboro-Oregon.gov/Water .	<table border="1"> <thead> <tr> <th colspan="7">April</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> </tr> <tr> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> </tr> <tr> <td>28</td> <td>29</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						April							Su	Mo	Tu	We	Th	Fr	Sa		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30											
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The Water Cycle

Summer is right around the corner—are your sprinklers ready? Homes with irrigation systems use about 50 percent more water outdoors than homes without. Spruce up your sprinkler system now to maximize performance while minimizing water waste during peak watering months this summer. It doesn't take much to prepare your sprinkler system for warm weather watering. The City of Hillsboro Water Department offers a rebate for weather-based irrigation controllers. For more information, visit Hillsboro-Oregon.gov/Rebates.



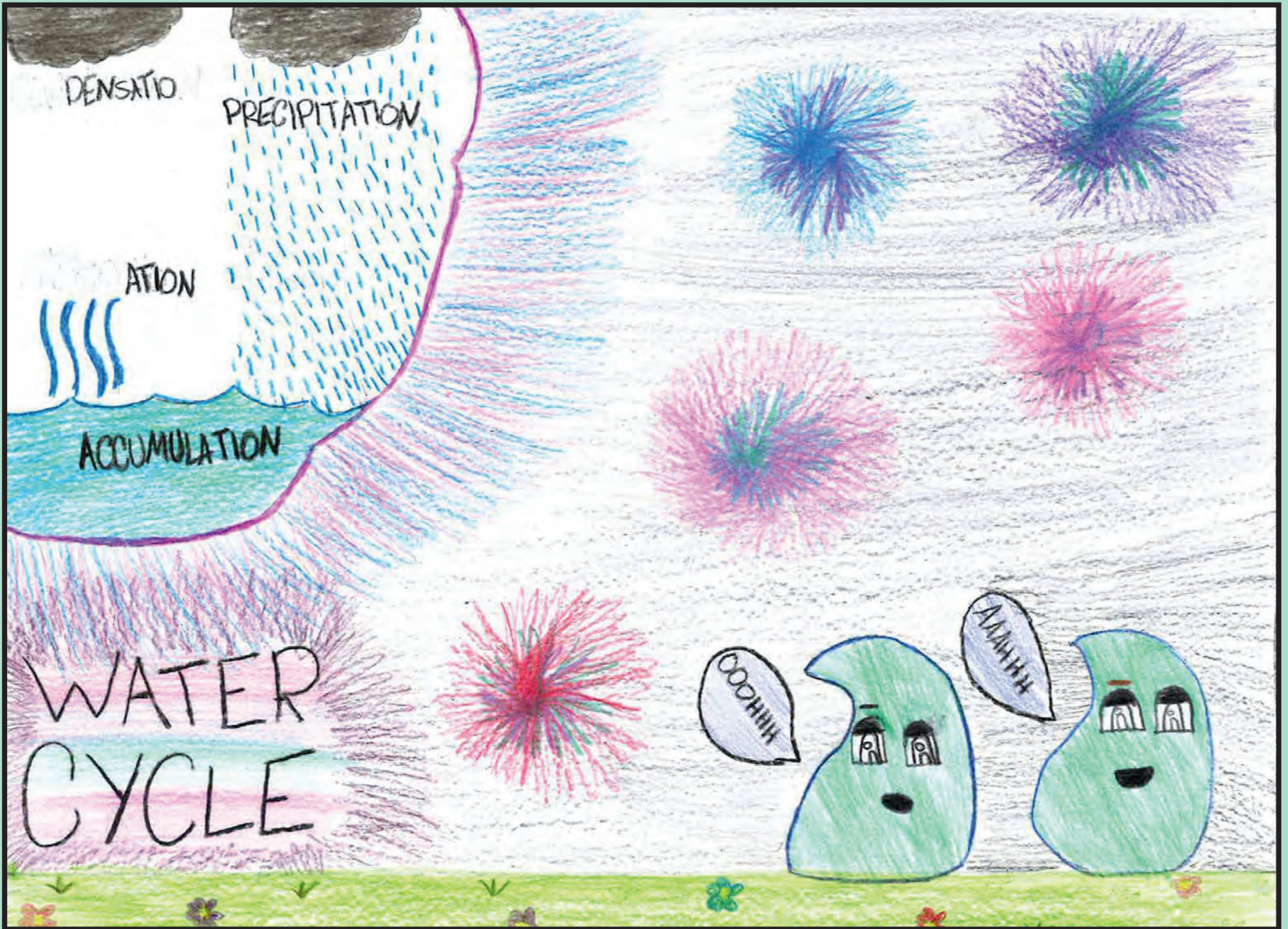
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<p>While nature provides water, it takes pipes, pumps, reservoirs, treatment plants, and dedicated City of Hillsboro Water Department employees working around the clock to deliver clean and safe drinking water to more than 24,000 homes and businesses.</p>		<table border="1"> <thead> <tr> <th colspan="7">May</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> </tr> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td></td> </tr> </tbody> </table>	May							Su	Mo	Tu	We	Th	Fr	Sa				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<table border="1"> <thead> <tr> <th colspan="7">July</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> </tr> <tr> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> </tr> <tr> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	July							Su	Mo	Tu	We	Th	Fr	Sa		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							1
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The Water Cycle

Dry, warm weather prompts the release of stored water in the Barney Reservoir and Hagg Lake to the upper-Tualatin River. This usually happens annually in June when the upper-Tualatin River level drops too low for municipal use, so Hillsboro relies upon water stored in Barney Reservoir and Hagg Lake to meet customer needs. By storing water in reservoirs and releasing the reservoir water into the river, we help ensure that Hillsboro's water usage doesn't reduce Tualatin River water levels too much during the summer months.



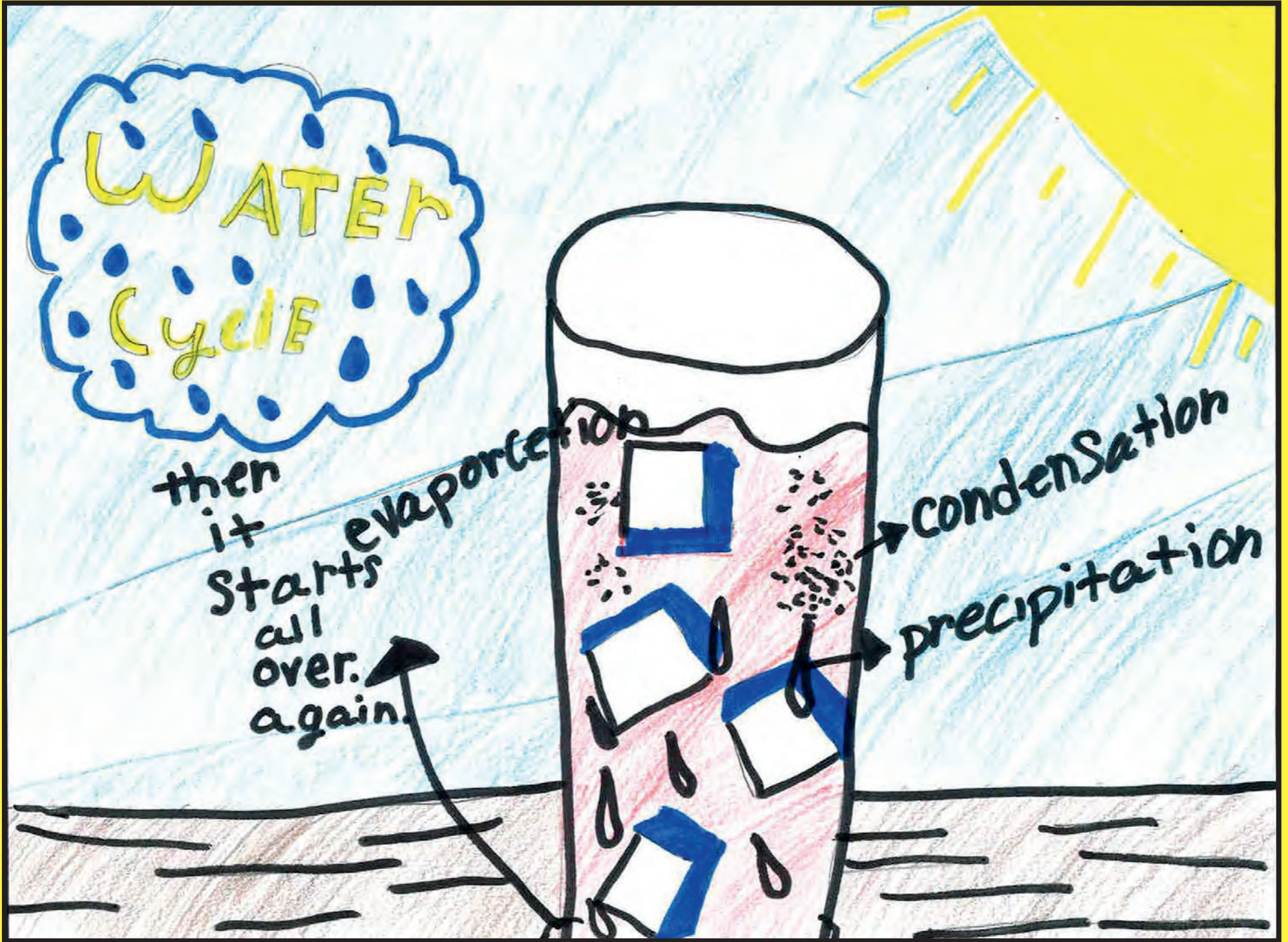
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The Water Cycle

Not sure how much to water your yard? We can help! Even though summer watering needs vary from year to year depending on the weather, the “Weekly Watering Number” can help you plan ahead by taking the guesswork out of watering. Sign up at Hillsboro-Oregon.gov/Conservation to receive by e-mail the amount of water – in inches – that your lawn and other plants need each week between April and September.



August

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At less than a penny per gallon, Hillsboro's tap water remains one of the lowest cost utility bills – a true bargain considering the resources and expertise it takes to treat and deliver safe, reliable water to customers' taps 24 hours a day, 365 days a year.		<table border="1"> <thead> <tr> <th colspan="7">July</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> </tr> <tr> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> </tr> <tr> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	July							Su	Mo	Tu	We	Th	Fr	Sa		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				<table border="1"> <thead> <tr> <th colspan="7">September</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> </tr> <tr> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> </tr> <tr> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>29</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	September							Su	Mo	Tu	We	Th	Fr	Sa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						1	2	3
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The Water Cycle

Household plumbing is the main source of lead in drinking water. This is usually from lead solder used in homes built or plumbed with copper pipes before 1985. Lead can also be found in brass plumbing fixtures and components. Lead can enter drinking water through corrosion of lead components in piping, home plumbing, or fixtures. Since you cannot see, taste, or smell lead dissolved in water, testing is a sure way of telling whether there are harmful quantities of lead in your drinking water. The City of Hillsboro Water Department provides free Lead-In-Water testing for Hillsboro residents, childcare facilities (daycares), and nonprofit organizations who are current customers and located in the Hillsboro Water Department's service area. Learn more at [Hillsboro-Oregon.gov/Lead](https://www.hillsboro-oregon.gov/Lead).



It's all about the water cycle



September

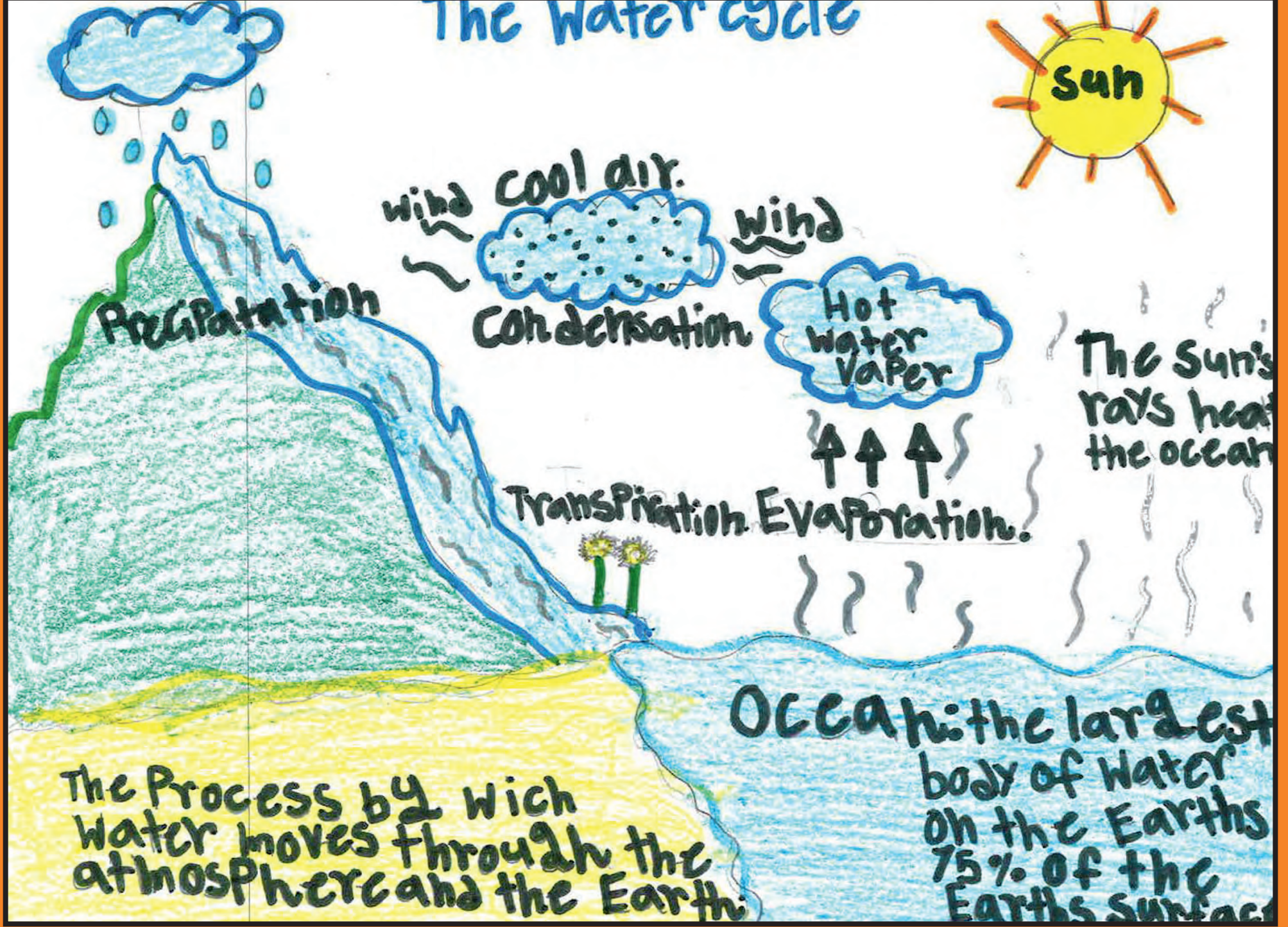
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The Water Cycle



The City of Hillsboro is partnering with the Tualatin Valley Water District to develop the mid-Willamette River as an additional water supply source for customers and will provide reliability and redundancy following a disaster or other service interruptions. Additionally, the facilities are being designed to the latest seismic standards such that they will be operational after a major earthquake. Details at OurReliableWater.org.

The Water Cycle



October

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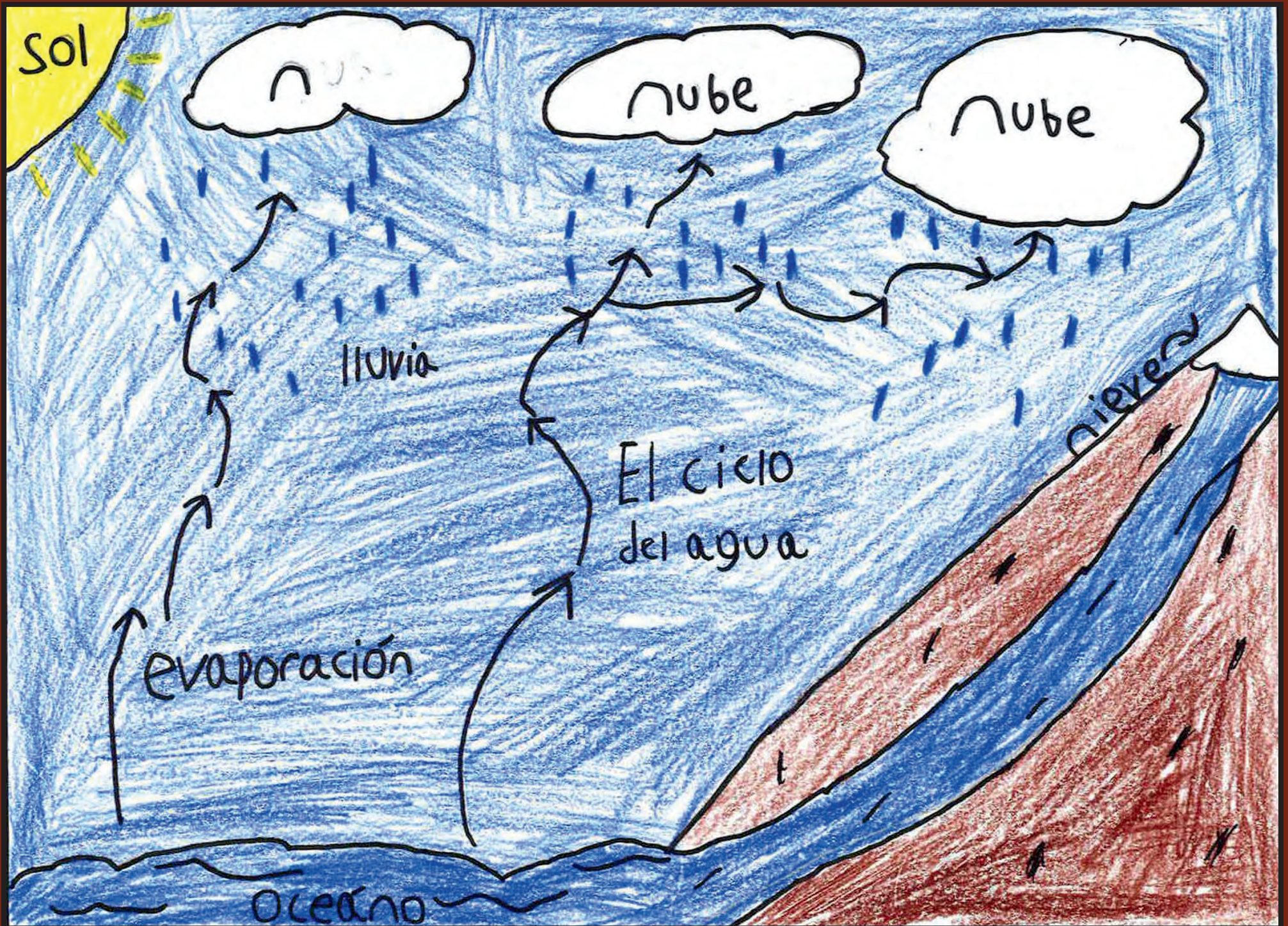
Imagine a Day Without Water

64,240 gallons
 THE AMOUNT OF WATER USED BY THE AVERAGE AMERICAN IN ONE YEAR
Source: Water.org

Value of Water CAMPAIGN  thevalueofwater.org

The Water Cycle

Water is essential. Every community, every person, every business, every worker relies on it. Agriculture, energy, manufacturing, and tourism—more than one fifth of our nation’s economic output depends on water. Water is the most important thing in our daily lives—and most people don’t need to think twice about it.



November

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Looking to use less energy and water on Thanksgiving when the kitchen is put through its paces? Let your dishwasher do the work! Dishwashers use about 10 gallons per load. Faucets use the same amount in four minutes.		<table border="1"> <thead> <tr> <th colspan="7">October</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> </tr> <tr> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> </tr> <tr> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td></td> <td></td> </tr> </tbody> </table>	October							Su	Mo	Tu	We	Th	Fr	Sa			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			<table border="1"> <thead> <tr> <th colspan="7">December</th> </tr> <tr> <th>Su</th> <th>Mo</th> <th>Tu</th> <th>We</th> <th>Th</th> <th>Fr</th> <th>Sa</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> </tr> <tr> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> </tr> <tr> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td>29</td> <td>30</td> <td>31</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	December							Su	Mo	Tu	We	Th	Fr	Sa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						1	2
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The Water Cycle

The Cherry Grove Slow Sand Filter Plant (CGSSFP) is a small water treatment plant owned entirely by the City of Hillsboro Water Department. Construction of the Filter Plant was completed in 1992 at a cost of \$1.8 million. The CGSSFP is capable of treating up to three million gallons of water a day. This plant serves Hillsboro's upper system customers.

The Water Cycle



December

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The Water Cycle

Is It Time for a Water Checkup? To help customers identify usage habits, pinpoint leaks, and implement simple conservation measures that can cut water usage by as much as 30 percent, the City of Hillsboro Water Department is now offering residential home water audits FREE to customers! Visit Hillsboro-Oregon.gov/Conservation for more details.

The Water Cycle

Collection

Transpiration



Precipitation

Condensation

Evaporation