|  |  |  |
| --- | --- | --- |
| Lesson title: Meaning and Origin | Block # 1 | Block template:  Statement B |

|  |
| --- |
| On-screen text: The word **xeriscape** has the Greek prefix **xero** (xeros) meaning **dry** and Greek root word **scape** meaning **scenery**. Similar terms and phrases include water conserving landscaping, drought tolerant landscaping and smart landscaping. |
| Notes to Developer:  Black text on green background (background-color: #aff4cc;)  Font: Montserrat  Bold out words: xeriscape, xêro (special e), dry, scape, scenery |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Meaning and Origin | Block # 2 | Block template:  Text on image |

|  |
| --- |
| On-screen text:  Xeriscaping is a style of landscape design requiring little or no irrigation or other maintenance, used in arid and drought prone regions. |
| Notes to Developer:  White text on image.  Font: Montserrat  Image – front yard with rocks and mulch, house on the background |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Meaning and Origin | Block # 3 | Block template:  Image and text |

|  |
| --- |
| On-screen text:  The term xeriscape was first introduced in 1981 by Denver Water Utility in their water conservation efforts. |
| Notes to Developer:  Black text on green background (background-color: #aff4cc;) centered.  Font: Montserrat  Picture on top, text below the picture. |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Meaning and Origin | Block # 4 | Block template: Divider - continue |

|  |
| --- |
| On-screen text:  Next you will learn about the advantages of xeriscaping |
| Notes to Developer:  Divider color-accent: #25bb64; |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water conservation | Block # 1 | Block template:  Paragraph with heading |

|  |
| --- |
| On-screen text:  Heading: Let’s dig deeper to find out why xeriscaping has become a widely embraced choice for the homeowners!  Paragraph: Today, xeriscaping has been welcomed enthusiastically in Western parts of the United States where water conservation is a top priority. Currently in states such as Arizona, California, Colorado, Nevada, New Mexico, and Utah 75% of the households’ potable water is used to irrigate residential and urban lawns. Fresh drinking water is becoming a scares commodity on a global scale as frequency of droughts rapidly rises. |
| Notes to Developer:  Heading – black text, bold and centered  Paragraph – blue text, align left  green background (background-color: #aff4cc)  Font: Montserrat |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water conservation | Block # 2 | Block template: Quote C |

|  |
| --- |
| On-screen text:  When the well is dry, we know the worth of water.  ~ Benjamin Franklin |
| Notes to Developer:  White text on black background |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water conservation | Block # 3 | Block template: video |

|  |
| --- |
| On-screen text: |
| Notes to Developer: |
| Media file (s) or additional instructions:  <https://youtu.be/_YEApE2-ZcA> |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water conservation | Block # 4 | Block template: Labeled graphic |

|  |
| --- |
| On-screen text:  Montana and North Dakota  Extreme Drought is the second-highest level of drought, with major crop/pasture loses and widespread water shortages or restrictions.  Texas  Exceptional drought is the most intense level of drought.  Wyoming and Nebraska  Moderate Drought: This level is drought involves some damage to crops, pastures, streams, reservoirs. Wells are low, some water shortages developing, or imminent and voluntary water-use restrictions requested.  Colorado and Utah  Severe Drought: Crop or pasture loss is likely, fire risk very high, water shortages are common, water restrictions imposed. |
| Notes to Developer:  Black text  Font: Montserrat |
| Media file (s) or additional instructions:  [drought map](drought%20map.pdf) |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water conservation | Block # 5 | Block template: Divider - continue |

|  |
| --- |
| On-screen text:  Let’s check what you learned |
| Notes to Developer:  Divider color-accent: #25bb64; |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water Conservation | Block # 6 | Block template: knowledge check: multiple choice |

|  |
| --- |
| On-screen text:  What is the meaning of xeriscaping?   * mountain view * wetland * dry scenery * zero vegetation |
| Notes to Developer:  Correct answer – dry scenery |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water Conservation | Block # 7 | Block template: knowledge check: multiple choice |

|  |
| --- |
| On-screen text:  What is a megadrought?   * Severe dryness of land lasting for several months. * Severe dryness that lasts for several years * Severe dryness that lasts for 20-30 years * Severe dryness that never ends |
| Notes to Developer:  Correct answer – dryness that lasts for 20-30 years |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Water Conservation | Block # 8 | Block template: divider-continue |

|  |
| --- |
| On-screen text: |
| Notes to Developer:  Divider color-accent: #25bb64; |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 1 | Block template: Statement D |

|  |
| --- |
| On-screen text:  Take a moment to reflect on your past and current practices. Please check all that you do to keep your lawn looking good. |
| Notes to Developer:  Black text, bold  green background (background-color: #aff4cc)  Font: Montserrat |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 2 | Block template: checkbox list |

|  |
| --- |
| On-screen text:   * I use fertilizers * I use aeration service * I put lawn clippings in the trash * I use pesticides * I have some / a lot of water run off * I have a sprinkler system |
| Notes to Developer:  Black text  green checkboxes (color: #aff4cc)  Font: Montserrat |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 3 | Block template: Image and Text |

|  |
| --- |
| On-screen text:  **If you checked 2 or more boxes, then xeriscaping is the right option for you!  Maintenance waste, such as lawn clippings, contribute organic waste to the landfills and fertilizers contribute to urban runoff pollution.**  **However, xeriscaping eliminates these negative effects as clippings are encouraged to remain on the greenspace which allows for a lower use of fertilizers.** |
| Notes to Developer:  Image on the left, (Image of the green grass up-close)  Text on the right (Align Left, Bold, Black)  Font: Montserrat  \* **eliminates these negative effects \*** |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 4 | Block template: Heading |

|  |
| --- |
| On-screen text:  More Fun Facts |
| Notes to Developer:  Text align centered, color:Red hwb(7deg 23% 11%) |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 5 | Block template: interactive flashcard grid |

|  |
| --- |
| On-screen text:  Card 1  Front: Native Plants Back: **Xeriscaping requires far less water usage because native plants require less assistance to acclimate and survive in the environment when compared to imported vegetation.  Plants with similar water needs are grouped together.**  **Card 2**  **Front: Less Water Back:**  **Xeriscaping has the potential to reduce water consumption by 60% or more compared to regular lawn landscapes.  Xeriscaping helps preserve water for people and animals!**  Card 3  Front: Efficient Irrigation. Back: **Drips and soaker hoses direct water directly to the base of the plant and prevent the water evaporation that sprinklers allow.** |
| Notes to Developer:  Font Montserrat  Text black, align left,  **Highlight text below-** color: Red hwb(7deg 23% 11%)  **reduce water consumption by 60% or more**  **Drips and soaker hoses** |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 6 | Block template: divider - continue |

|  |
| --- |
| On-screen text:  Check out how xeriscaping looks like in different states! |
| Notes to Developer:  Text color Red hwb(7deg 23% 11%), center align, Bold, font Monserrat  Background color: #aff4cc |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 7 | Block template: Tabs |

|  |
| --- |
| On-screen text:  TAB 1 COLORADO  Any plants that have evolved, over hundreds of years, to thrive in a geographic area are well-adapted to the soil and climate. They help promote the populations of beneficial, native insects that can help eliminate the need to use chemicals to keep gardens healthy and thriving.  TAB 2 CALIFORNIA  Cactus is the first thing that comes to mind? Do not worry, there are many gorgeous and tough plants that can thrive without water for a while. Limit the turf areas by utilizing pebbles, natural stone, rocks, and mulch.  TAB 3 UTAH  Flowering plants like native herbaceous perennials are a great choice to add color to your garden all spring and summer. They are very low maintenance and attract a lot of pollinating birds and insects.  KEEP IN MIND  Know your environment and your plants. The needs of native plants may be much different than those already in your garden. While regular fertilization and frequent watering may be the norm now, native plants often have much different requirements. Fertilizing and over-watering may damage them, attract unwanted pests, and promote the growth of damaging fungi and microorganisms. |
| Notes to Developer:  Text black, left align, font Montserrat |
| Media file (s) or additional instructions:  Pictures will be selected later |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 8 | Block template: divider - continue |

|  |
| --- |
| On-screen text:  Sort the statements below into the correct stacks! |
| Notes to Developer:  Text color Red hwb (7deg 23% 11%), center align, Bold, font Monserrat  Background color: #aff4cc |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 9 | Block template: Interactive – sorting activity |

|  |
| --- |
| On-screen text:  Stack 1: Xeriscaped Lawn  Stack 2: Regular Grass Lawn  Card 1: has non-native or exotic plants (stack 2)  Card 2: requires more maintenance (stack 2)  Card 3: needs less water (stack 1)  Card 4: eliminated the need for fertilizers (stack 1)  Card 5: uses native plants (stack 1)  Card 6: is prone to pests and fungi (stack 2)  Card 7: is water dependent (stack 2)  Card 8: creates natural habitat for birds and insects (stack 1) |
| Notes to Developer:  Back text, Font Montserrat |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Reduce your monthly bills | Block # 10 | Block template: divider - continue |

|  |
| --- |
| On-screen text: continue |
| Notes to Developer:  White text, Background color: #aff4cc |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Drought Tolerant Plants | Block # 1 | Block template: Text on image |

|  |
| --- |
| On-screen text:  **Plants that have especially adapted to arid climates are called xerophytes. In desert areas like Phoenix, Arizona, xeriscaping allows gardeners to plant native xerophytes such as ocotillo.** |
| Notes to Developer:  White text, left align, bold, font Montserrat. |
| Media file (s) or additional instructions:  [plant image](xerophytes.jpeg) |

|  |  |  |
| --- | --- | --- |
| Lesson title: Drought Tolerant Plants | Block # 2 | Block template: interactive -accordion |

|  |
| --- |
| On-screen text:  Cacti  The most common example of a xeriscape-friendly plant is the cactus, which has hundreds of different species that are native to North and South America. Cacti have evolved many physical adaptations that conserve water. For example, their prickly spines, the cactus version of leaves, protect the plants from water-seeking animals. Their large, round stems have thickened to store large amounts of water. Their waxy skin reduces water lost to evaporation.  Herbs  Cacti are far from the only plants appropriate for xeriscaping. Other drought-resistant plants include agave, juniper, and lavender.  Spices  Many spices are used in xeriscaping, such as thyme, sage, and oregano. Some plants used for food are drought-resistant, such as black walnuts, Jerusalem artichokes, and sapodilla, a sweet fruit native to Mexico. |
| Notes to Developer:  Black text, left align, font Montserrat |
| Media file (s) or additional instructions:   1. [cacti](cacti.jpeg) 2. [lavender](lavender.jpeg) 3. <sage1.jpeg> |

|  |  |  |
| --- | --- | --- |
| Lesson title: Drought Tolerant Plants | Block # 3 | Block template: divider - continue |

|  |
| --- |
| On-screen text: |
| Notes to Developer:  White text, Background color: #aff4cc |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Of Course You can Have Grass! | Block # 1 | Block template: Statement A |

|  |
| --- |
| On-screen text:  Do you have kids who love to play and run around on the grass?  Well, you can definitely carve out a specific area for a lawn and use the garden edging to separate it out from the xeriscaped areas. |
| Notes to Developer:  Black text, center align, Bold, font – Montserrat  Background color: #aff4cc |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: Of Course You can Have Grass! | Block # 2 | Block template: interactive – flashcard grid |

|  |
| --- |
| On-screen text:  Flashcard 1 – Front text – Front Yard; Back – picture  Flashcard 2 – Front text – Back Yard; Back – picture  Flashcard 3 – Front text – Transformation; Back – picture |
| Notes to Developer:  Black text, white background |
| Media file (s) or additional instructions:  Files to select later |

|  |  |  |
| --- | --- | --- |
| Lesson title: Of Course You can Have Grass! | Block # 3 | Block template: paragraph with heading |

|  |
| --- |
| On-screen text:  **What About the HOA?**  **We know that many HOAs still require that a certain percentage of a homeowner's land be used as a lawn, but these laws are changing fast! In fact, Texas, Nevada, Arizona, California, Colorado, Louisiana, and Florida all now allow homeowners to xeriscape their yards to conserve water. You should check with your local environmental authority or housing association before you xeriscape!** |
| Notes to Developer:  Black text, bold, center align, font Montserrat  background-color: #f7bc80; |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: | Block # | Block template: |

|  |
| --- |
| On-screen text: |
| Notes to Developer: |
| Media file (s) or additional instructions: |

|  |  |  |
| --- | --- | --- |
| Lesson title: | Block # | Block template: |

|  |
| --- |
| On-screen text: |
| Notes to Developer: |
| Media file (s) or additional instructions: |