**8th Grade Science Lesson for** **IPad**

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| **Unit: 8th - Chemistry** |
| **Objectives/TEKS:****112.20.B.08.5.B** -  identify that protons determine an elements identity and valence electrons determine its chemical properties, including reactivity; **112.20.B.08.5.D** -  recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts;  |
| **TA TEKS:**(2) **Foundations.** The student uses data input skills appropriate to the task. The student is expected to:(A) demonstrate proficiency in the use of a variety of input devices such as mouse/track pad, keyboard, microphone, digital camera, printer, scanner, disk/disc, modem, CD-ROM, or joystick;5) **Information acquisition.** The student acquires electronic information in a variety of formats, with appropriate supervision. The student is expected to:(A) identify, create, and use files in various formats such as text, bitmapped/vector graphics, image, video, and audio files; |
| **Name of App/Cost/Internet or Stand Alone:**QRset/Free/Internet  |
| **Brief Description/Steps of Lesson:**1. Teacher will display QR codes (attached) around the room or at various lab stations.
2. Students will open the QRset app. They will use the app to scan the QR codes and fill in the handout (also attached).
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| **End Product:** Students will complete handout on Elements, Compounds, and Mixtures. |

Elements, Compounds, or Mixtures

**Directions**: Scan the QR codes. In the first box of each column, you’ll put the correct definition. In the other boxes, you will write the name of the object and whether it is an element, compound, or mixture. Example: Carbon – Element. Also, all of the boxes will not be filled.

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| Element | Compound | Mixture |
| Definition: | Definition: | Definition: |
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QR Codes for Elements, Compounds, and Mixtures

 Sodium Water Soil

 Coffee Oxygen Alcohol



 Carbon Dioxide Cake Batter Air



 Soap Iron Salt Water

 Ice Cream Nitrogen Eggs

 Blood Table Salt Nail Polish

 Milk Cola Elements – Definition

Compounds – Definition Mixture – Definition