***Activity 3: Matter Collage or Children’s Book***

***(Topic 1—Classification and Topic 2—Properties of Matter)***

 Physical and chemical properties and changes can be seen all around us on a daily basis. Your job is to create a collage or children’s storybook of images that illustrate the properties, changes, and classification of matter. You may use magazine photos, newspapers, original hand drawings, or any other appropriate source you can find to complete the collage/storybook. The collage must be done on a single piece of poster board. Children’s books must be at least 8 pages. If doing a collage, you will also need to write a minimum 1-paragraph description of your pictures and how they relate to the topic. If you create a storybook, your description should be on the same page as your illustration. DO NOT JUST WRITE DOWN DEFINTIONS! Please see the rubric below for scoring. Please turn in this sheet with your collage/book. Happy creating!

What you need to include for **Topic 1—Classification** (due Jan. 16th):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Example | # Of pictures required | # of points for each picture | Total # of points available |
| 3 Heterogeneous Mixtures | Salad dressing, pizza, etc. | 3 | 1 | 3 |
| 3 Homogeneous Mixtures | Brass, tea, etc. | 3 | 1 | 3 |
| 1 Element | Jewelry, golf club, etc.  | 1 | 1 | 1 |
| 1 Compound | Salt, etc.  | 1 | 1 | 1  |
| Written Paragraph/Description | N/A | 0 | 0 | 2 |

What you need to include for **Topic 2 – Properties of Matter** (due Jan. 30th)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Example | # Of Pictures | # of points for each picture | Total # of Points Available |
| 2 Physical Properties | Color (red jacket), Texture (fur coat) | 2 (1 for each property) | 1 | 2 |
| 2 Chemical Properties | Flammability (hairspray), etc. | 2 (1 for each property) | 1 | 2 |
| 2 Physical changes  | Tearing paper, etc.  | 2 (1 for each change) | 1 | 2 |
| 2 Chemical Changes | Burning wood, etc. | 2 (1 for each change) | 1 | 2 |
| Written Paragraph/Description | N/A | 0 | 0 | 2 |

\*Note: You MAY NOT use only the examples given. You must come up with your own pictures/ideas for each category (at least 1 original idea for each!). No credit will be given for projects containing only the mentioned examples!

**Description Paragraphs:**

 Descriptions of each image should explain how it relates to the category. They should be concise (yet thorough), using clarity and precision. All descriptions should be hand-written or typed (printed out) and stapled to the collage. Children’s book should contain descriptions of categories/pictures on each page and uses age language appropriate for a 3rd grade reading level. YOU SHOULD NOT GIVE TEXTBOOK DEFINTIONS! ALL DESCRIPTIONS/DEFINITIONS NEED TO BE IN YOUR OWN WORDS!