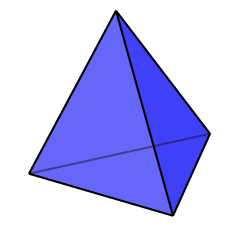
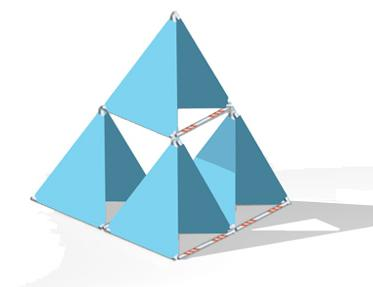
**Tetrahedron Kite Lab Worksheet**

***What is a tetrahedron?***

* It has \_\_\_\_\_\_\_ faces
* Each face is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* It has \_\_\_\_\_\_ Edges
* It has \_\_\_\_\_\_ Vertices
* At each vertex \_\_\_\_\_\_ edges meet

**Find the total surface area of the tissue paper on your kite.**



**Stage 1:**

**Stage 2:**

|  |  |
| --- | --- |
| **Stage** | **Number of Tetrahedrons (n)** |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **10** |  |

**Taking it Further**

**Look at the chart on the previous page, what kind of patterns do you see? Find a formula to predict the 100th stage.**

**Reflection**

**What went well? How could we have improved the kites?**