*Take notes during each collaborative study group as you talk about each problem:*

1. Activity # 1 Models of light
   1. Draw a model of light being reflected/scattered, transmitted and absorbed
   2. List a real world example of each
2. Activity # 2 Models of objects
   1. Make a model of an opaque, transparent and translucent object
   2. List a real world example of each
3. Activity #3 Interpreting data – Fill in the following data chart with the following choices Cat, dark blanket, window, and mirror.

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| --- | --- | --- | --- | --- |
| **TABLE 1** | | | | |
| Name of Object | Reflected Light | Scattered Light | Transmitted Light | Absorbed Light |
| A: | 45 | 156 | 5 | 700 |
| B: | 75 | 685 | 0 | 150 |
| C: | 75 | 64 | 786 | 7 |
| D: | 890 | 55 | 0 | 10 |