

Shadows & Light, Science & Puppetry

Student Name: _____

| The student is able to: | Always | Frequently | Sometimes | Rarely | Comments |
|--|--------|------------|-----------|--------|----------|
| make predictions about the way light travels and determine whether the predictions are correct. | | | | | |
| use online resources to learn how shadows form. | | | | | |
| demonstrate an understanding of the terms translucent, opaque, and transparent through the creation of shadow puppets. | | | | | |
| explore the way light interacts with matter by way of transmission, absorption, and reflection. | | | | | |
| make observations about the properties of shadows based on online interactive activities. | | | | | |
| experiment with a light source, puppet, and screen to create different shadow effects. | | | | | |
| demonstrate an understanding that the properties of a shadow are determined by the intensity and position of the light source and the distances and angles between the light, object, and surface. | | | | | |
| in groups, create and perform shadow plays. | | | | | |