**STAR LAB Available Programs**

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| Program Title | Program Length | Suggested Grade Levels | Description |
| Chinese Stories of the Four Great Beasts | 35 min | K-6 | This activity uses the **Ancient Chinese Seasons Cylinder** to show the 4 great beasts of the Chinese Seasons. The Chinese constellations are shown in the sky and stories are told about each one. Follow up activities are available with an art connection. |
| Star Stories | 25-45 min | K-8 | This activity uses the **Star Cylinder** to show current constellations and stories are told with each constellation. Scenes may be acted out with props depending on time constraints/size of groups. A pre-lesson activity called “Finding Star Pictures in the Sky” is available to help younger students learn about what a constellation is. |
| Native American Constellation Stories | 35 min | K-6 | This activity uses the **Native American Constellations Cylinder** to show constellations as the Native Americans saw them and the stories behind them. |
| What’s up in the sky? | 30 min | Pre-K, K,1 | A lesson that combines the STAR LAB and video presentation that teaches children about the sun, moon, and stars and the differences in the day and night sky. The effects of the sun on the Earth are also discussed. Uses the **Star Cylinder** |
| Predicting the phases of the moon | 60 min  | 2 | This activity utilizes the **Star Cylinder** and teaches students about the phases of the moon. Students fill in a calendar with the moon phases over 2 months and make predictions for a 3rd month. Follow up activities include an Oreo cookie activity to show how the reflection of the sunlight and the position of the moon around the earth affect what phase we can see. |
| Our Nearest Neighbor Star | 30 min | 3/4 | This lesson teaches students about the relationship between the sun and the stars and how telescopes can help us to see back in time. Uses the **Star Cylinder.** |
| Who is really moving? | 30-45 min | 5 | This lesson uses the concepts of rotation and revolution to explain the apparent movement of the sun, moon, stars and planets. Uses the **Star Cylinder**. |
| Plotting the Path of a Hurricane | 45-60 min | 8  | This program uses the **Ocean Currents Cylinder** to teach the concepts of longitude and latitude, the paths that hurricanes take and how currents can have an effect on a hurricane’s path.  |
| Plate Tectonics | 45 min | 6 & 8 | In this program Plate Tectonics are explored, using the **Plate Tectonics Cylinder**. The class is divided into 4 groups with each group assigned to find different features on their map from what they see on the dome. The maps are all eventually put together to reveal the relationships between the different features. Pre-visit and post-visit activities are available. |
| The Reality of Sending a Message in a Bottle | 75-90 min |  8 | This program uses the **Ocean Currents** **Cylinder** to teach students about ocean currents and their causes. Students use what they learn about currents to design a path for their message in a bottle to follow to get from one location to another. A short pre-visit activity to prepare is available and recommended. |
| How Big is Big? | 45 min |  6 & 8 | Students will learn about the solar system, galaxy and universe and how the things we see fit into each. Students will identify objects in our solar system, galaxy and universe within the STAR LAB. Utilizes the “Star  |