Lesson: Rockin’ Rocks (岩石)

Science Standard(s): Students will gain an understanding of Earth and Space Science through the study of earth materials, celestial movement, and weather.

Objective(s)
Indicator(s)

<table>
<thead>
<tr>
<th>Content Objective(s):</th>
<th>Language Objective(s):</th>
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<tbody>
<tr>
<td>Kid friendly objective. Will be posted on the board.</td>
<td>Kid friendly. Posted on the board. May include listening, speaking, reading, writing. See list of possible verbs.</td>
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Essential Questions:
How does the natural world change?

Academic Vocabulary:
岩石, 粗糙, 光滑, 坚硬, 柔软, 层, 大, 小

Materials:
- rocks (have students bring them)
- Rockin’ Rocks Notebook

Language References and Word Wall:
Required:
岩石, 粗糙, 光滑, 坚硬, 柔软, 层, 大, 小
Additional:
质地, 硬度, 颗粒, 属性

Sentence Frames:
我的岩石是______。
你的岩石是______?

Instructional time: 30 minutes

Opening: (5 minutes)
Display all the rocks.
Question: What is this?
What color/size/texture are the rocks?
Activity: As a whole class sort the rock according to one attribute.

Introduction to New Material (Direct Instruction): (7 minutes)
Explain: Each rock has specific attributes (color, particle size, layering, texture and hardness).
Each rock is made up of parts - particles.
Hand one rock to each student.

Guided Practice: (5 minutes)
Teacher Does: Model how to use the sentence frame while describing rocks. “My rock is ______”.
Two Students Do:
Have two students come up and perform a sample dialogue
1st student, “你的岩石颜色是什么?”
2nd Student, “我的岩石是棕色。”
2nd student, “你的岩石颜色是什么?”
1st student, “我的岩石是红色。”

All Students Practice:
All students pair up and tell each other about their rocks.

Independent Interactive Practice: (7 minutes)

Rockin’ Rock notebook

Use the modeling cycle:
Teacher Does:
Teacher shows the students what they need to draw/write to complete the first page of the Rockin’ Rocks book.
All Students Practice:
Students draw their rock and identify its color, size and texture. Use the modeling cycle:

Closing: (3 minutes)
Show 2-3 student examples and have those students describe their rock using the sentence frame.

Language suggestions:
“我的岩石是______”

Assessment:
Observations of student conversations.
Rockin’ Rocks notebook

Extention:
Student need to complete the 2nd two pages of the Rockin’ Rocks book during centers.