

Concave Mirrors

LESSON PLAN



OBJECTIVES

To discover what a concave mirror is, and to find examples.

MATERIALS

- Writing Utensil
- Paper
- Attached Worksheets (KWL, compare/contrast, and Activity Sheet)
- Metal Spoon

ACTIVITY TASKS

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Provide Example of a Concave Mirror (Spoon)

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Discuss Guided Question "What is a concave mirror?"

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Discuss Guided Question "Where have you seen concave mirrors?"

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Discuss Guided Question "Do you look larger or smaller in a concave mirror?"

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Make a list of concave mirrors found around the house/classroom

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Draw how you see yourself when you look into a concave mirror.

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Have the students write a paragraph about what they have learned about concave mirrors in the final section of the KWL chart.

DISCUSSIONS/ GUIDING QUESTIONS

- What is a Concave Mirror?
- Where have you seen a concave mirror?
- Does your reflection look larger or smaller in a concave mirror?
- Why are concave mirrors important?

ACTIVITY

CONVEX MIRRORS

List **5** Concave mirrors, and where you found them.

Example: Metal Spoon in the kitchen.

1.

2.

3.

4.

5.

ANSWER: WHAT IS A CONCAVE MIRROR?

ANSWER: DOES YOUR REFLECTION LOOK LARGER OR SMALLER IN A CONCAVE MIRROR?

ANSWER: WHY ARE CONCAVE MIRRORS IMPORTANT?

KWL CHART

OUR LESSON TODAY: CONCAVE MIRRORS

WHAT I KNOW:

WHAT I WANT TO KNOW:

WHAT I LEARNED:

Concave Mirror Lesson Plan

STEP ONE: INTRODUCTION

At the beginning of class, discuss with the students "What is a concave Mirror?"

Provide the definition and examples of what a concave mirror is. Discuss why a concave mirror is important.

OUTLINE:

- Discuss "What is a Concave Mirror?" and provide examples (15 minutes)
- KWL Chart (5 minutes)
- Activity Sheet (25 minutes)
- Conclusion: Discuss as a class what they found, as well as the correct answers to the worksheet questions. (10 minutes)
- Final section in the KWL Chart (5 minutes)
- Extra Activity (If there is extra time)

STEP TWO: CONTENT

1. Do "Step One" Introduction
2. Have the students fill out the "What I know" and "What I want to know" sections on the KWL chart.
3. Once the students understand what a concave mirror is, do the "Activity" sheet attached. Have the students go around the house/classroom and find five concave mirrors. If time runs out and students are struggling to find multiple concave mirrors, allow them to use resources (Internet, books, etc.) to find concave mirrors.
4. Have them answer the questions on the worksheet.
5. Conclusion: Discuss as a class what they have found! Also, discuss the correct answers to the questions. Have the students compare and contrast the concave and convex mirrors from the previous lesson.
6. Have the students fill out the "What I learned" Section of the KWL chart. Collect the papers.
7. Extra Activity: If there is extra time, have the students draw what an image looks like in a concave mirror reflection.

Concave

Convex

