

Inquiry Cube

Summary

Students will "solve" an inquiry cube (5 clues on the cubes' sides and a missing piece that the students figure out) Students will then make their own cube.

Time Frame

1 class periods of 60 minutes each

Group Size

Small Groups

Materials

an [inquiry cube](#) (attached) per group of students
materials for students to make their own (a computer and printer or the template provided below)
colored pencilss

Instructional Procedures

Place the inquiry cube with the "good answer" side down. Tell students they may not lift them up and look until the activity is over.

Tell students to look at the sides of the cube and decide what is on the bottom. Have each group report to the class their answer and their reasoning.

Explain to students that they will be making an inquiry cube related to energy in ecosystems. It could have to do with food chains, photosynthesis, respiration or what ever else they can think of. The inquiry cube can have pictures or words on the sides. If you have a preference which you'd rather have, tell the students.

Allow time for students to work. If they are using computers, it will take a little longer and students may need help learning how to make text boxes or import pictures.

As students finish, they can trade cubes and see how well others solve their cubes.

Each student group should pick their favorite from the group and share it with the class.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

[Utah LessonPlans](#)