



Earth's Systems

(PRIMARY FOCUS: SCIENCE/STEAM)

For students from approximately 8 to 10 years old.

SUMMARY

Using a labeled diagram of the Earth's systems of geosphere, biosphere, atmosphere, and hydrosphere, students design a route for KUBO to visit each of the systems. Three of the four routes can then be embedded into a function. Students provide correct information about each system including the interactions that happen within it. Using the KUBO Coding++ TagTiles®, a variable could represent one of the spheres, showing less than or more than an amount of matter or energy. If the children learn how energy and matter are transferred from each sphere, they can then use KUBO to model it with variables.

BEFOREHAND

Students should understand how to use KUBO Coding and Coding+ TagTiles. The KUBO Coding++ TagTiles can also be used for this activity.

RESOURCES FOR 2 STUDENTS

- 1 KUBO robot, fully charged
- 1 set of KUBO Coding TagTiles
- 1 set of KUBO Coding+ TagTiles
- Optional - 1 set of KUBO Coding++ TagTiles

