

Discover the Kentucky River Watershed through History, Science, Art and Culture Conservation Recreation Education

Purpose: the Kentucky River Authority and the Kentucky Riverkeeper want to work with teachers and students to look at the Kentucky River Watershed through the lens of the core arts and science while cultivating stewardship and responsibility.

Lesson plans:

How to Create your journal and use the Elements of Art and other resources and tools. These will be beneficial as part of each lesson plan.

1. Geological History of the Kentucky River Watershed
2. What is the Kentucky River Watershed?
3. What is a Kentucky River Habitat?
4. What is a Kentucky River Water Cycle?
5. What are some the current and historical environmental impacts on the Kentucky River?
6. What is a lock and Dam system and how does it fit into our history?
7. What is a Kentucky River Water Trail?

Each Lesson Plan will Include:

- Purpose
- Activities
- Handouts for students
- Stewardship and things to do to help keep our river clean!
- Map
- Power point
- Vocabulary
- Kentucky Core Curriculum
- And more...



Discover with
DEXPLORER!

Discover the
Kentucky River

with Journals, Notes, Sketches,
Photos, Maps, Poems, Water
testing, and Stories

Students learn best when

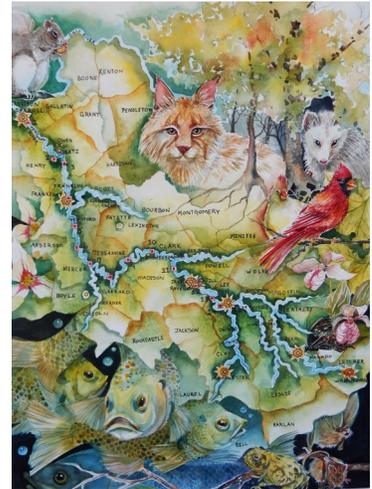
they can explore a subject from multiple disciplines and media. Use these lesson guides as a starting place for integrating science, history, art and culture in the discovery of the Kentucky River Watershed.

You can spend one class period on each area of the plan or one week! We are including lesson plans and other resources in the resource guide.

The Journey can start with a trip to your closest creek or stream that is part of the watershed. Locate your school and the students homes on the map. Make simple habitat assessments. Conduct water testing. Photos and sketches can be collected and taken back to the class room for further use.

Student project journals can be started with field notes, simple sketches and observations. This is also a great opportunity to build a word bank! These can include descriptive technical and emotional words. We want to engage all of the senses! The Language of art and science overlap when describing a habitat, observations in the field, data and in the creation of a poem, illustration, or painting.

Good observations and descriptions are critical for great science and great art. Use all your senses!



**Artist interpretation of the
Kentucky River Water Trail**

Reach out to your school librarians and media specialists to help you to locate books about the flora and fauna of the watershed, local histories and locate maps and other resources.

The Kentucky Arts Council can help you find artists for the classroom! Another tool for the students would be the art elements and principles of design. This will help with photography, sketching and descriptive words.

This doesn't have to be complicated but the basics will be useful. Each of the components of this lesson guide can be incorporated into this project journal. The students will have a final product that will incorporate their studies and discoveries in one beautiful, illustrated ,inspired collection!

