Storyboard: Taking Care of Our Environment Project

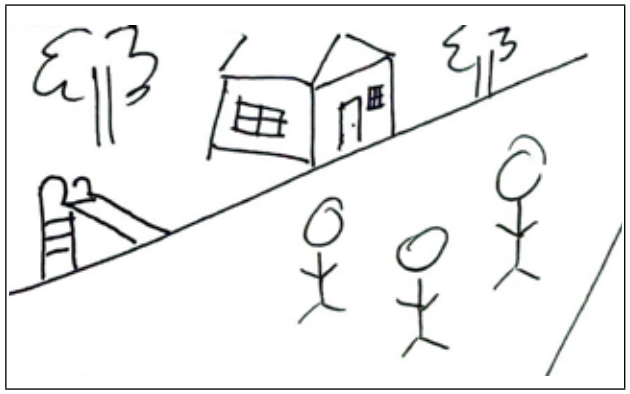
Use the frames below to show the key project milestones that represent significant moments or stages.

Authentic Context

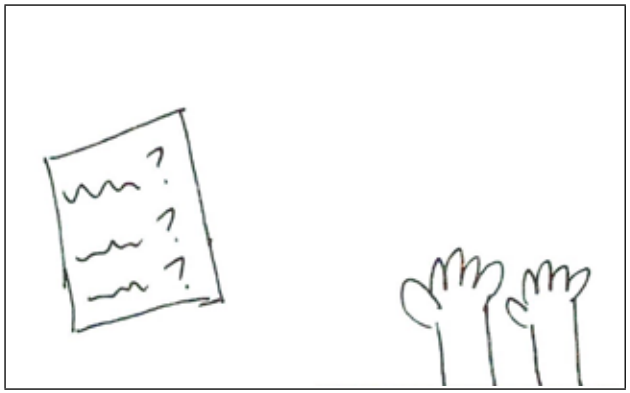
Transitional kinder students identify problems on their campus and generate solutions/tools and share with the community

Learning Goal(s)

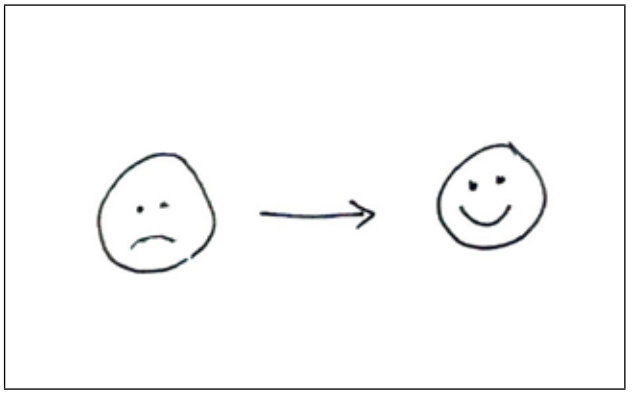
Social studies, science (engineering design), expository writing, speaking and listening, critical thinking, collaboration



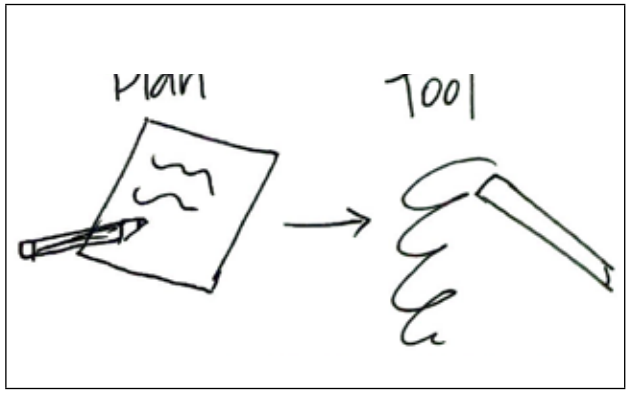
Students tour the school site to identify problems in the environment



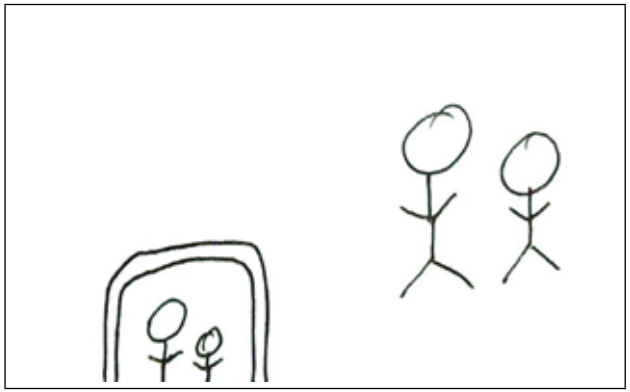
Based on observations, students generate questions



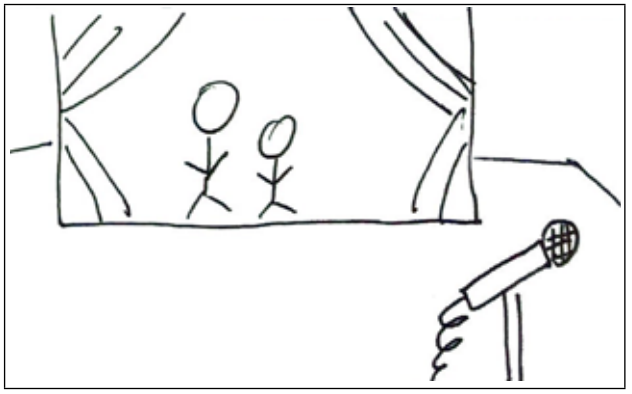
Create a list of problems and possible solutions



Based on the problem/solution list, students create jobs and tools



Prepare book and video training tools; revise as needed



Present training to others and transform the school community!

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Storyboard: Water Quality Project

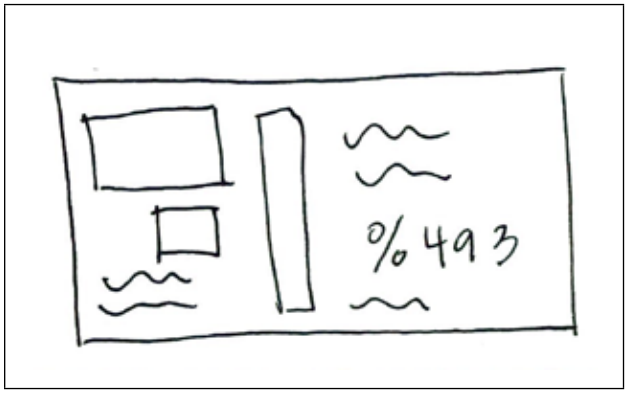
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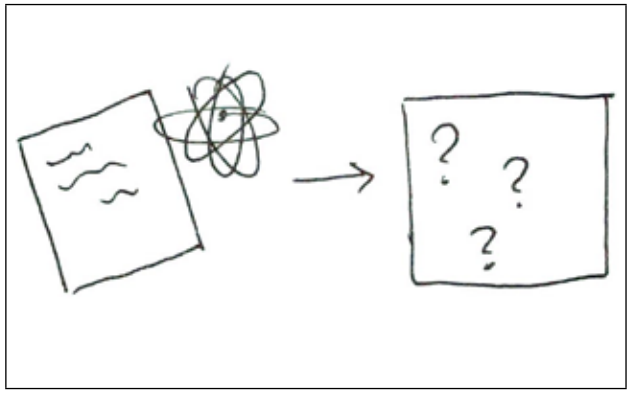
Students explore the water crisis in Flint, MI and design experiments to determine the best corrosive inhibitors in lead pipes

Learning Goal(s)

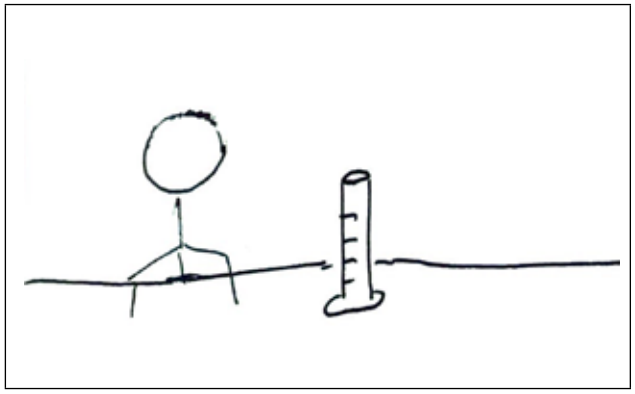
Chemistry, math, critical thinking



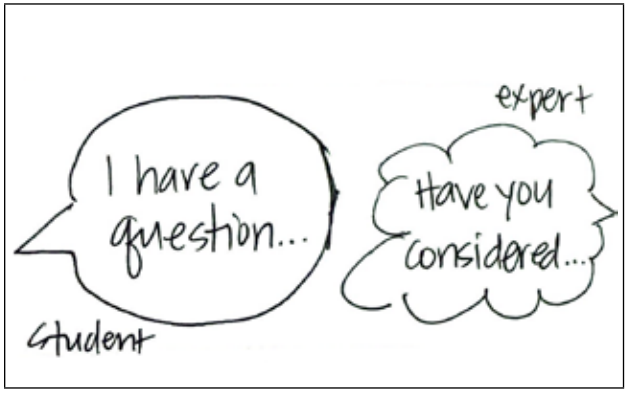
Gallery walk of images, text, and data to generate questions about the issue



Hands-on experiments, close reading of scientific texts



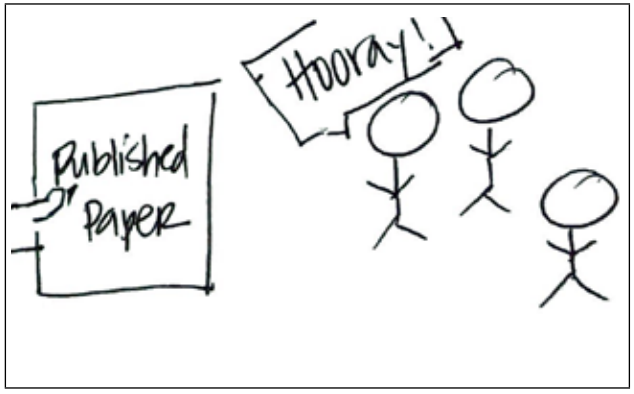
Research & question generation, I D lead inhibitor as focus, design experiment



Feedback from experts, revision, focus on statistical analysis



Data collection on corrosive inhibitor's effectiveness



Present & share paper with university team & other stakeholders

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