



Design a STEM Stop Activity

ASK--What is an interesting location in your community that could be used to demonstrate STEM at work?

(A playground)

IMAGINE--STEM Concepts are all around us! After you have identified a place in your community, put on your 'STEM GOGGLES' and think about the location through your STEM Lens. What do you notice now? What do you wonder?

(I notice playground equipment, water fountains, wood chips, lots of metal beams... I wonder about the swings. I like to go high in the swings. How can I best do that?)

Write an Official Question Using 'Imagine' Notes

(Does the position of your body affect how high you can swing?)

Object and/or Location:

(Swing set at the park on Main Street)

PLAN--When thinking about the question you designed, how might people try to answer it? What existing features or components of the location might be used to formulate or test an answer?

(People can use the swing set to test different ways to swing and pay attention to how high they go.)

CREATE--Develop an idea based on the plan.

(Test how your body position affects how high you can swing by adjusting your body different ways. Try sitting upward, lean forward, lean backward, lay on your stomach, straddle the swing, etc. Pay attention to how high you can swing in each position. What position works best? Why do you think this is?)

IMPROVE--Is your question clear? Did you explain your activity well? Make needed changes!