Resources - The Basics of Making Pop-Up Designs

It is helpful if you have notecards, cardstock, or thicker paper.

1. Review the Paper Engineering Presentation on the UASTEM website.

2. In class we focused on 3 pop-up elements – box folds, v-folds, and combinations of these elements.

- Watch these videos on making a simple box fold pop-up –

    - https://www.youtube.com/watch?v=v-J3KtuJXxI
    - https://www.youtube.com/watch?v=RVZEsnzJTqM&t=1s

Consider how you might use these ideas with your future students. How could they use these skills to creatively demonstrate their knowledge of content and make hands-on connections?

Adding additional box folds –

    - https://www.youtube.com/watch?v=lASJ0s6J7K4

Creating v-fold pop-ups -

    - https://www.youtube.com/watch?v=gvreHZoEiI4
    - https://www.youtube.com/watch?v=AVwv5YTsfMs

The Pop-Up Channel at https://www.youtube.com/@thepop-upchannel4919 is a great resource for developing paper engineering skills.

In our STEM lab we have several copies of the book *The Elements of Pop-Up*. This is a wonderful book that models the ways that we can create paper engineering designs. You can watch an excellent demonstration from the book here - https://www.popupbooks.com/portfolio/the-elements-of-pop-up/

You can also access templates for each of the designs from the book at https://d28hgpri8am2if.cloudfront.net/tagged_assets/613_ak1_0689822243.pdf

Templates can be a great way to take your paper engineering projects to the next level.