

CONSTRUCTION CAREER DAYS SIGNATURE PROJECT OVERVIEW

The 2009 Construction Career Day will feature a new competition which will allow participants to showcase applied knowledge of many of the exhibits they will encounter while at the event.

This year, participating schools/organizations are being asked to prepare a signature project prior to their attendance. The project will be the planning, designing and “construction” of a handicapped access ramp to a fixed structure (see attached diagram). The components of the project are outlined below.

Handicap Ramp Project

There will be three components:

1st - Planning

Detailed plans/drawings that include:

Design drawings and specifications that include any relevant measurements (rise angles, lengths, widths, load bearings, entrance landing sizes, etc.), adhering to local, state and federal code (research required).

Materials

Proposed cost

Proposed timeline for completion

2nd - Construction

Detailed renderings that include:

Written and illustrated step by step process for construction

Detailed list of equipment needed and how each is used

Detailed list of materials used and quantities

Final cost

3rd – Finished Product

A 1:12 or 1:24 inch scale model of the actual ramp and elements as detailed above (this can be done with a variety of materials such as Popsicle sticks, tongue depressors – anything you feel will best express your project). Bonus points for aesthetic additions to the model such as landscaping or any other features you would like to add.

Intention to Participate

Please email Bill Rawlinson at William.Rawlinson@bostonpic.org by Friday, March 20 if your school/organization intends to submit a CCD Signature Project entry as part of the CCD school competition or if you have any questions regarding the specifications of this project.