

## Derby racer :

- You'll build a small ( $\sim 10 \times 10 \text{ cm}$ ) vehicle that is gravity powered
- It will carry your arduino which will be programmed with blinking lights
- You'll analyze the motion of your vehicle using physics

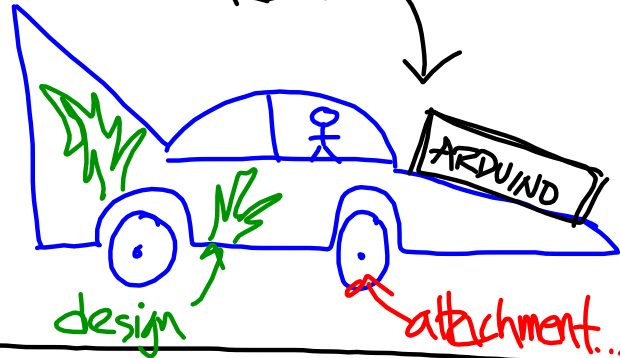
## Thumbnail sketches:

- Quick, rough drawings of different ideas
- Generally 4 per page (each is about  $\frac{1}{4}$  page in size)
- Include written notes to clarify design
- Details are determined by how much time you have

# Derby Racer Thumbnail Sketches:

BUMPERS?

Where is Arduino Box,  
and how is it attached?  
REMOVABLE



New design

TOP VIEW

New Design