MIT Student Art Association Spring 2011

Digital Photography
Controlling Motion
Shutter Speeds
What are your options?
B Bulb.
Stays on for as long as you press the shutter button.
Time.
Keeps the shutter open when you press the shutter button once. Closes the shutter when you press the button a second time.
$1/1000 \geq s$

Captures fast action. Needs a lot of light.
\[
\frac{1}{60} \geq s > \frac{1}{1000}
\]

Medium action. People walking.
\[
\frac{1}{2} \geq s > \frac{1}{60}
\]

Tripods become necessary, especially with shaky hands. Not really enough to capture too much of motion trail, just motion blur.
s \geq 1\" \\
Longer motion trails. Needs an area with less light, or a small aperture.
Exposure
Aperture + Shutter Speed + ISO