

## **Assignment: Motion, Technical Portfolio**

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The following sections in *A Short Course in Digital Photography, 1<sup>st</sup> e* relate to this assignment:  
Pages 18-21, 24-5, 154-5

The shutter of the camera controls the amount of time light is allowed to strike the surface of the imaging sensor (or film). The appearance of motion is controlled by the speed of the shutter.

Three digital files are due for this assignment – One each of Stop Motion, Blur Motion, & Pan Motion

### **STOP ACTION**

Stop action is the freezing of the subject in motion at a transitional point or critical moment.

- The action should be completely stopped
- 1/125 will stop a walking person but not a speeding train
- Faster shutter speeds will freeze more of the action
- High speed action requires a higher shutter speed

### **BLUR MOTION**

Blur motion accentuates the motion by image repetition, or blurring.

- Everything in the photograph should be sharp except for the motion
- 1/30 and slower shutter speeds require a tripod to avoid camera movement
- Only the subject should move, not the camera
- Slower moving subjects will allow more motion to be recorded

### **PAN MOTION**

Pan motion occurs when the camera follows the arc of motion in a parallel path. The shutter is released when the motion is directly in front of the photographer. The camera should continue to move after the shutter is released until the motion is completed.

- 1/30, 1/60 and 1/125 are the working shutter speeds for pan motion.
- Match the speed of the motion EXACTLY with the speed of the camera.
- Do not stop following the motion until it is completed

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**Preview Days – Have Example (unedited) Digital Files Ready for Class Pre-Critique**

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## **Helpful Tips & Things to Remember**

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- Remember to focus your images & use the correct exposure ratio
- Get close enough so that your intended subject fills the viewfinder
- Think about your position (point of view) in relation to your subject
- Shoot lots of images
- Motion is not easy to compose. Anticipate - don't react.
- Subjects moving towards the camera will give little or no indication of motion.
- Use a variety of shutter speeds for each Motion example.
- Camera Movement is NOT acceptable for this assignment.
- SUBJECTS NOT ALLOWED FOR STOP ACTION:
  - Liquids
  - Cars
  - Flags
  - Walking People