



#### What is it?

**Fast Motion Studios** is a Toronto based film and new-media production company with complete motion capture and stunt rigging facilities for motion picture, television and gaming development, from pre to post production. The film and new media industry is thoroughly STEM-based\*, integrating Science, Technology, Engineering and Mathematics in creative and innovative ways to design incredible feats of action which are believable in the context of the storyline. (\*note; we prefer STEAM, adding Arts to core STEM subjects!)

#### Why Physics?

High school physics courses are central to STEM education and are gateway courses to university engineering, college technology and workplace apprenticeship programs. Designing safe stunt action requires application of physics principles and 21st century skill sets. A field trip to FAST Motion Studios will provide high school students with unique, authentic hands-on, minds-on applications of physics while showcasing essential skills such as critical thinking, communication, collaboration and creativity. Students are afforded an insider's view of a diverse array of career pathways in a burgeoning, recession-proof industry - with an aging Canadian workforce! We welcome a fresh infusion of young innovative entrepreneurs.

#### What Will Students Do?

Drawing upon a select series of stunt 'gags', student teams will create scenes incorporating stunt action. They will perform & record the scene, make measurements and unpack the grade 11 or 12 physics concepts involved in this rich, authentic context. Lesson concepts will be co-designed by their physics teacher(s) in concert with Dave Doucette, OCT, an award winning physics teacher and **FAST Motion Studios** Education Director, who will lead lessons at FAST. Stunt riggers and stunt performers at FAST are industry experts working on numerous international productions.



**Ontario**

Ministry of Children & Youth Services:  
Education & Training

"Experiential learning opportunities can help young people appreciate the relevance of what they are learning in school. By taking field trips where they can engage in hands-on learning, young people have the opportunity to connect with issues and ideas outside the classroom and build self-efficacy as they learn more about what they enjoy doing."

**As seen on YTV**

**The Zone**



#### Where are the Physics Lessons?

Sessions are 2 and half hours in length, in AM or PM offerings, Dates and Times can be arranged through our Education Director, Dave Doucette. The cost is \$650.00 ( +13% HST)  
Contact: [Dave@fastmotionstudios.com](mailto:Dave@fastmotionstudios.com)