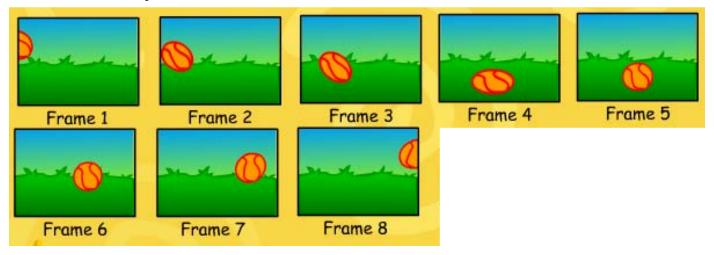
(cartoonster.com)

Animation = drawing that moves Tricking eye into believing something is moving

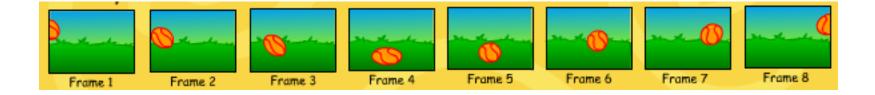
Sequence of drawings

Each drawing called frame (= snapshot of what is happening at that moment)

Frames are organized in line (timeframe) to show an action bit by bit, movement-by-movement.



Frames overlap each other and the mind does not see them as separate drawings but as a moving image. Frame rate = how many frames are played in a second Higher number => smoother transitions Most cartoons on TV 12 frames per second



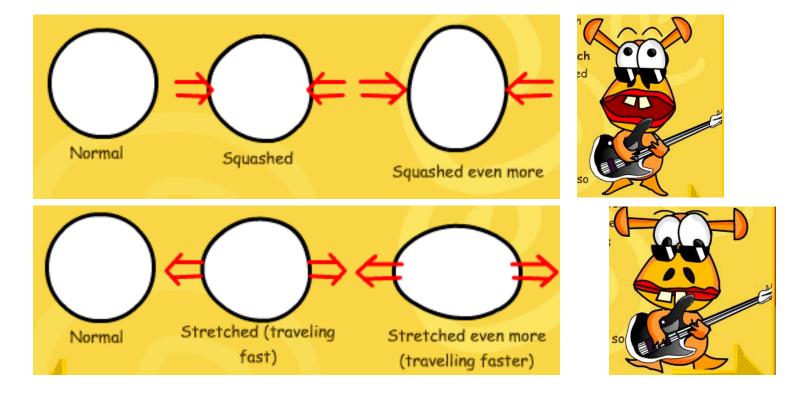
How to make animation interesting?

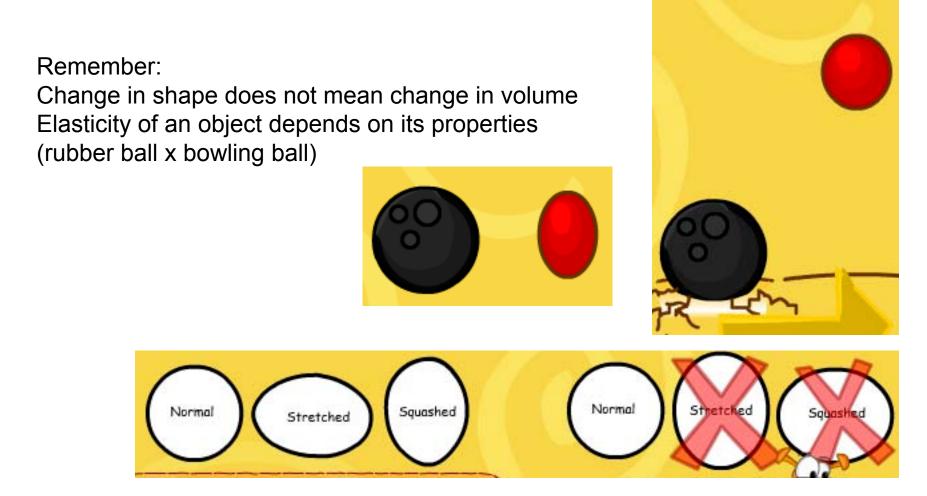
Exaggeration, overstating features



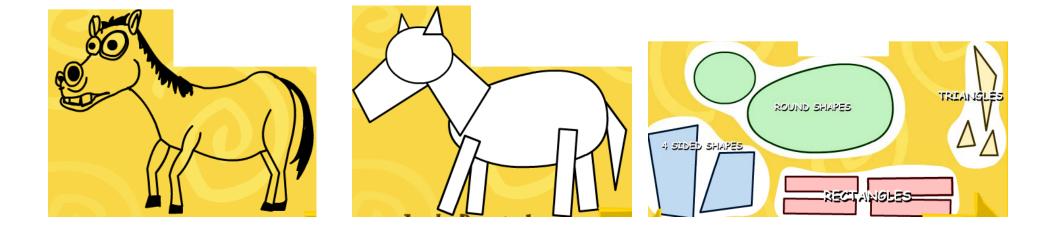


Stretch and squash When object hits something, it becomes squashed When object travels in space, it stretches





All complex objects and characters can be broken down to a series of basic shapes Animating and manipulating basic shapes is very important Stretch and squash principle can be used in animating basic shapes



2D animation can be turned into 3D using perspective to add depth to an object.

As the object moves towards the viewer, it will appear bigger. As the object moves away, it will appear smaller. This creates depth.

