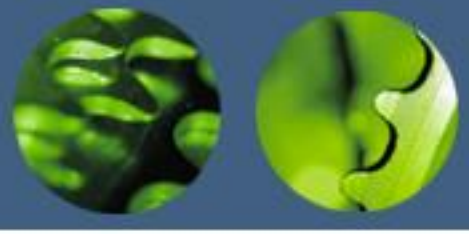
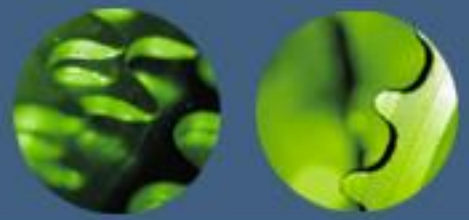
Animation Techniques



Objective

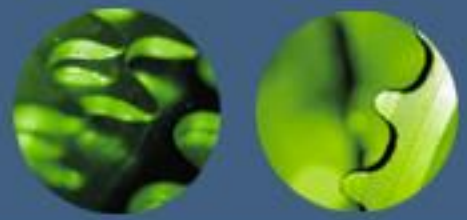
By the end of this you will be able to:

- Use slides or other animation techniques to illustrate graphic design solutions



Using Slides

- How to use slides for the purpose of presentation has already being covered in a previous presentation called:
- “**using_powerpoint**”

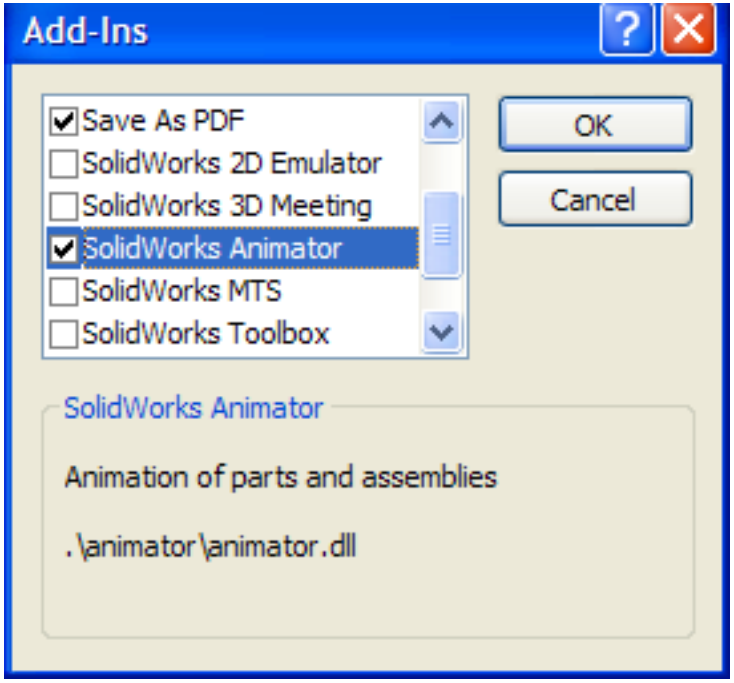


Animation Techniques

- SolidWorks has a software add-in which will create animations for you
- If it is not turned on in your package you can do so by clicking on the “**Tools**” menu and selecting “**Add-Ins**”

Animation Techniques

- Select the "**SolidWorks Animator**" tick box to activate the animator

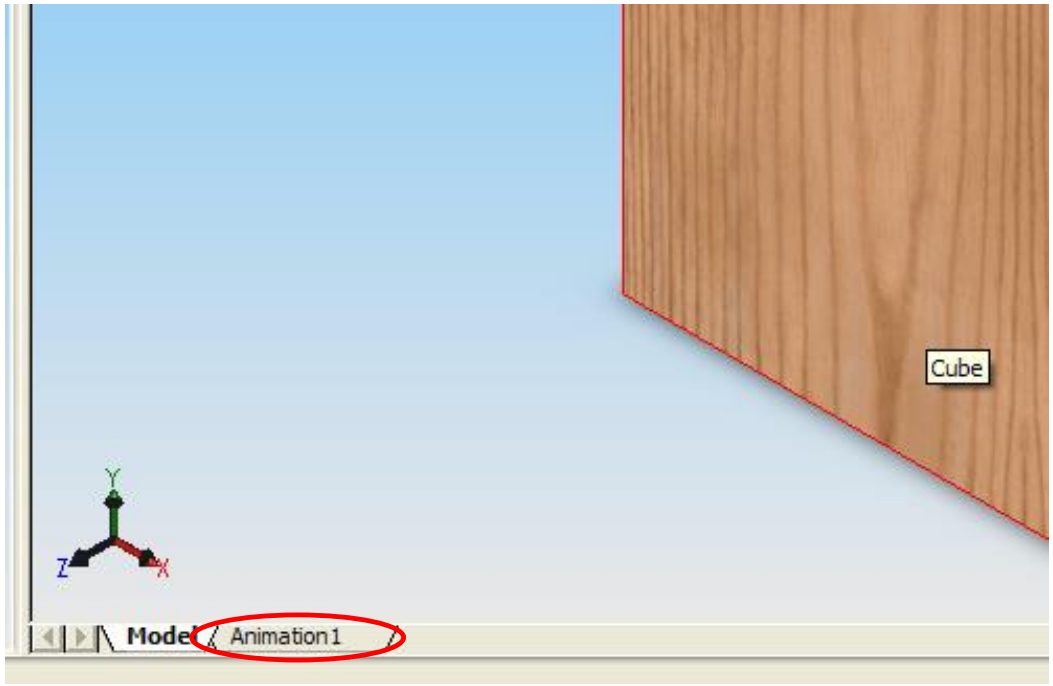


Animation Techniques

- This will now give you a new toolbar in the SolidWorks interface

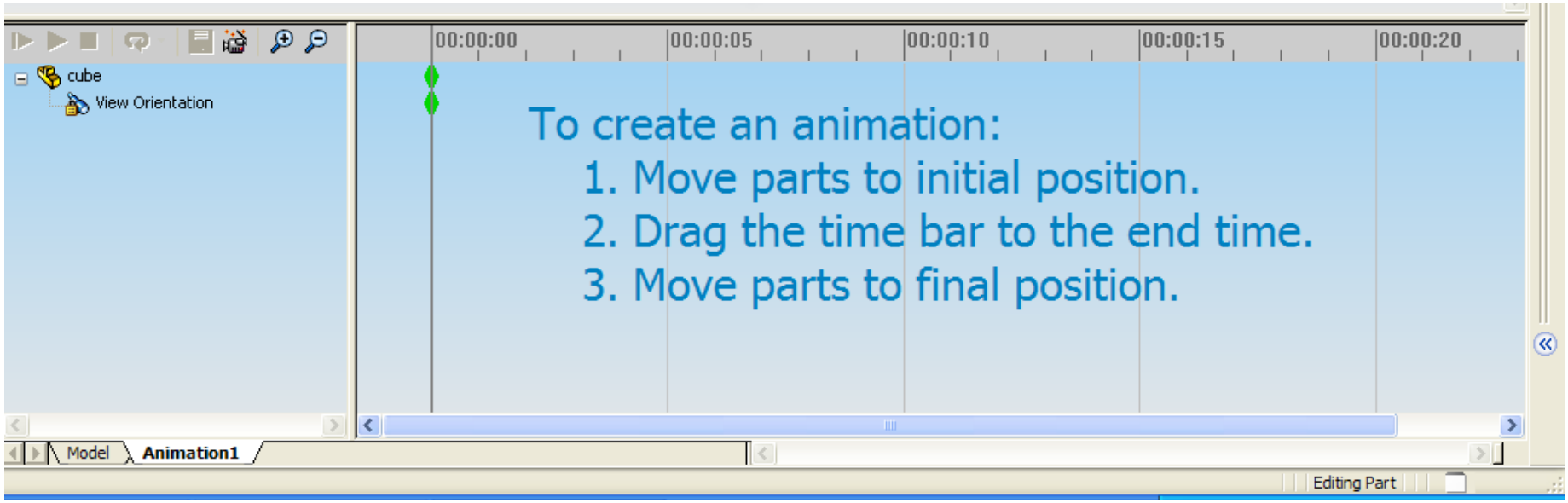
Animation Techniques

- To start using SolidWorks animator click on the "**Animation 1**" tab at the bottom of the drawing



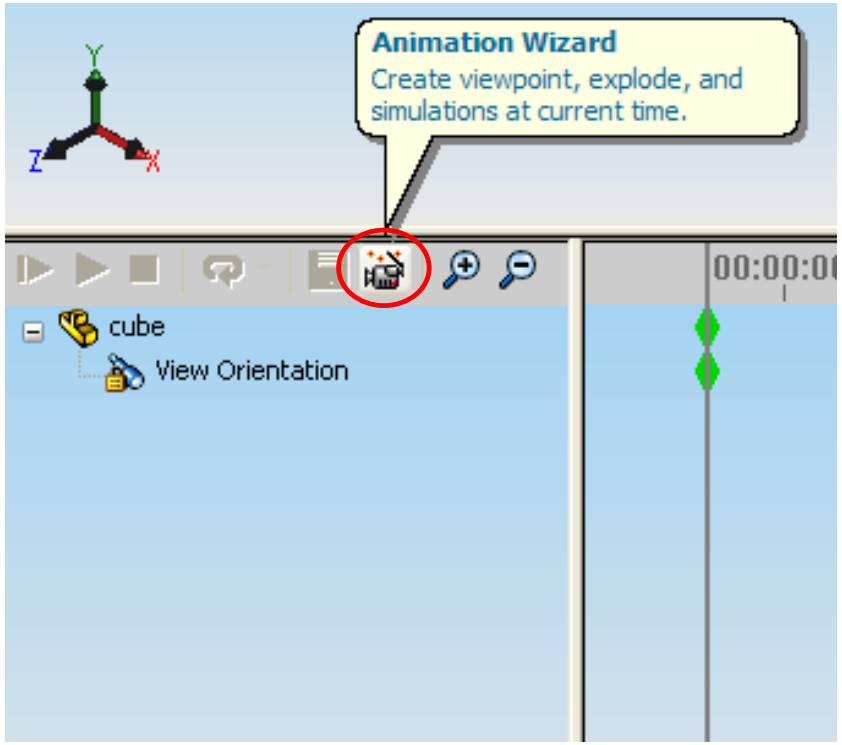
Animation Techniques

- This will open a new task plane



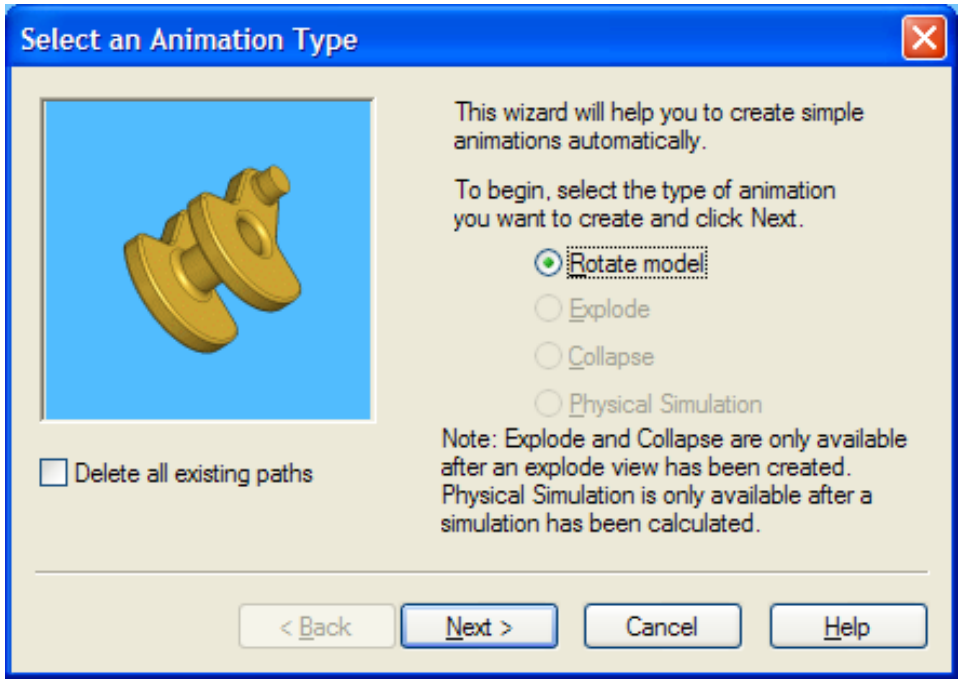
Animation Techniques

- To start creating the animation click on:



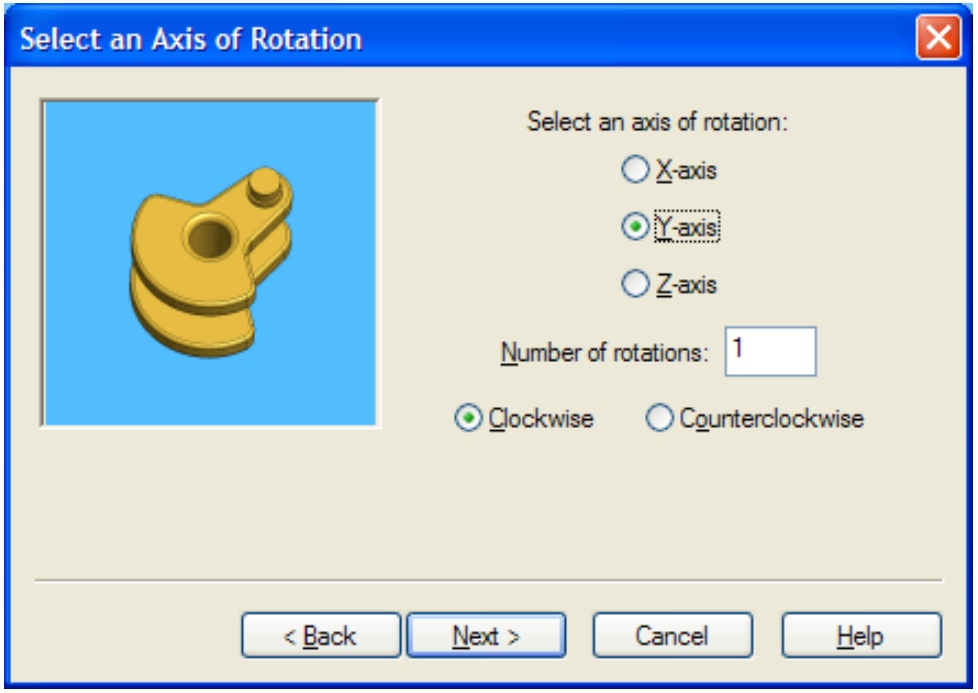
Animation Techniques

- This will open up a series of dialog boxes where you can set what you want to your animation to do



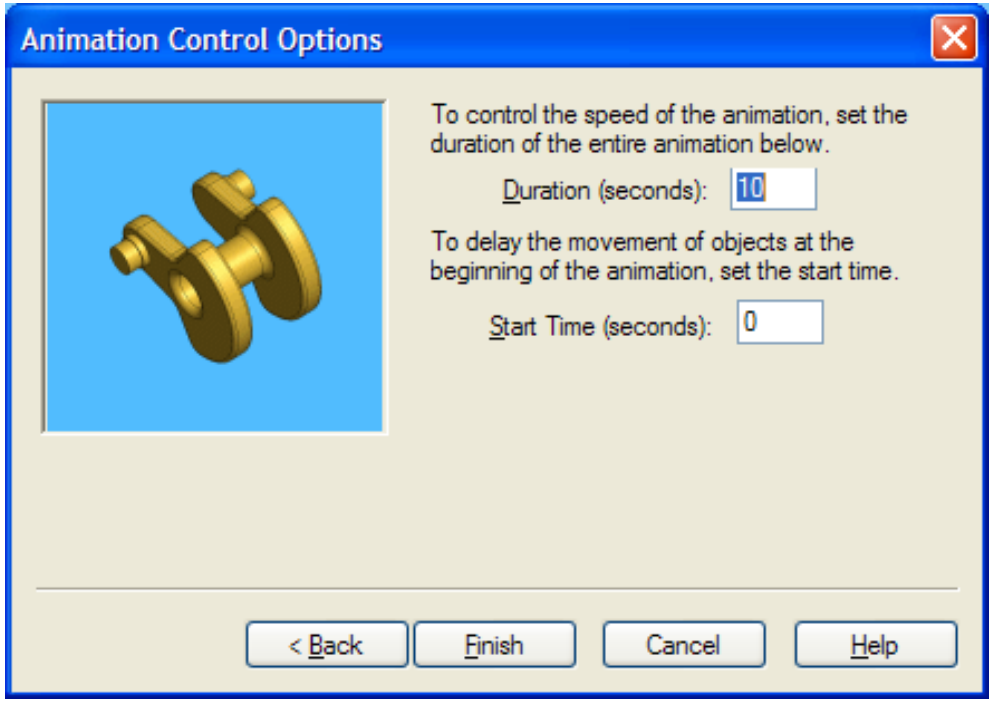
Animation Techniques

- When you press next you will see you can change the axis of rotation, the number of rotations and the direction of rotation



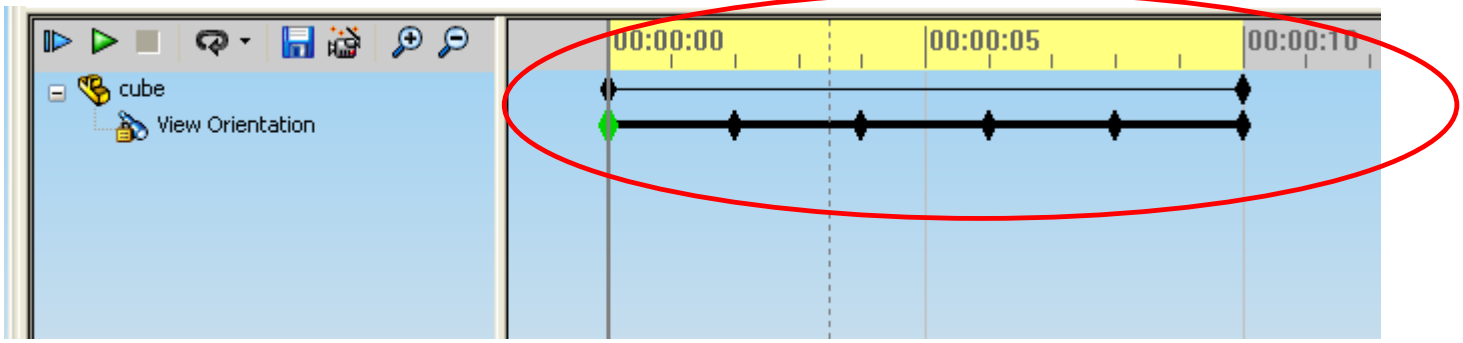
Animation Techniques

- The final thing you need to do is to set the duration of the animation



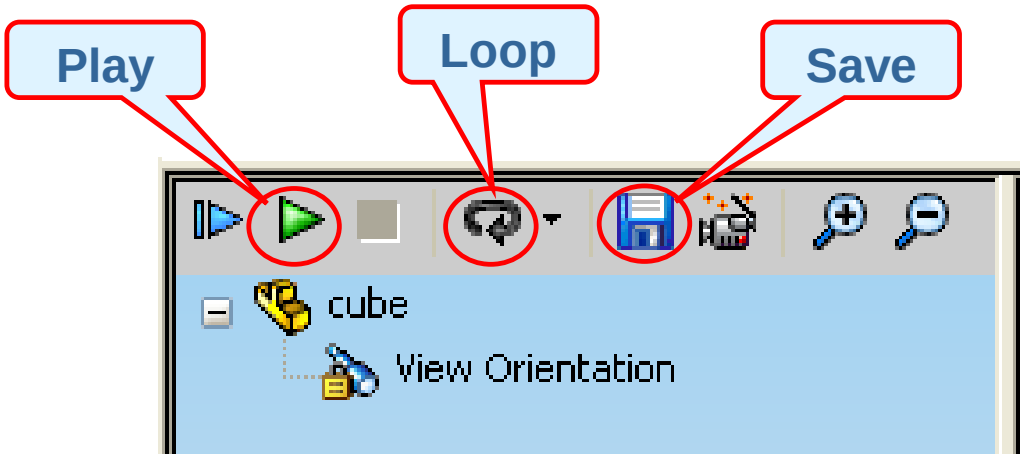
Animation Techniques

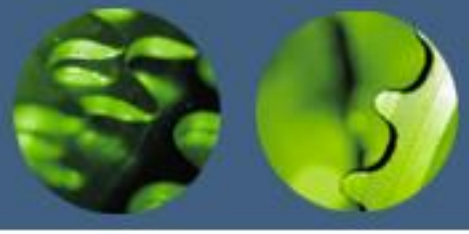
- Once this is done click on “**Finish**”
- The animation sequence shows on the timeline



Animation Techniques

- You can now play you're your animation by clicking on the play button
- You can loop the sequence so that it is continuous by selecting the option
- You can save the animation



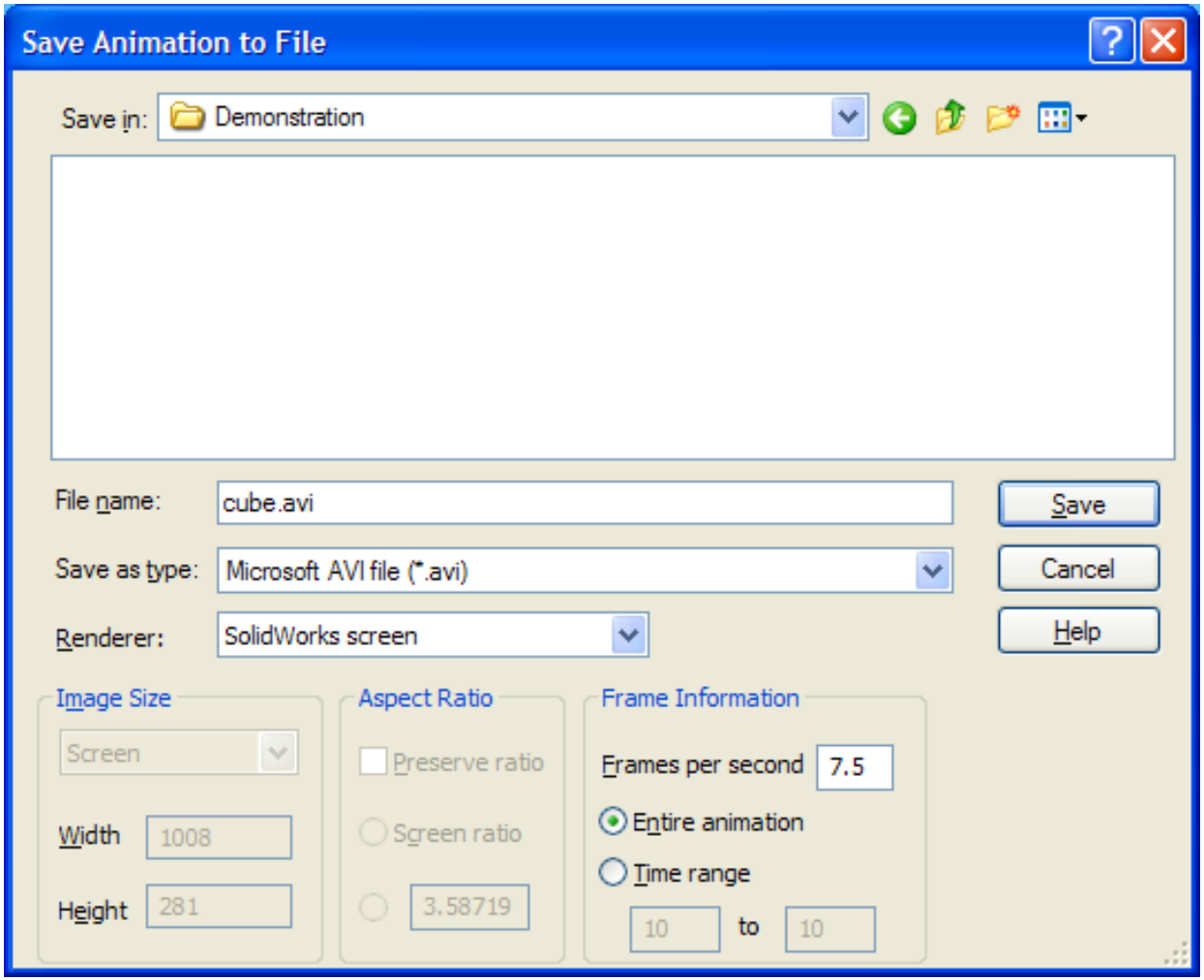


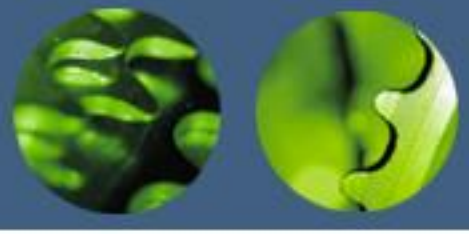
Animation Techniques

Saving your animation

- Click on the “**Save**” tab
- This will open a dialog box where you can select the location of the animation and you can name the animation as well

Animation Techniques

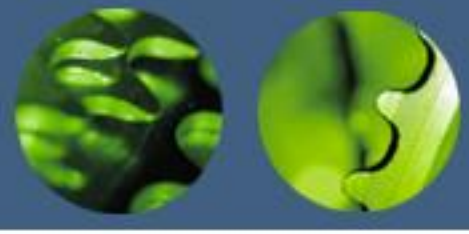




Animation Techniques

NB:

- When saving save the file as in the "**Microsoft AVI File**" format **(.avi)** as you can then insert it into PowerPoint



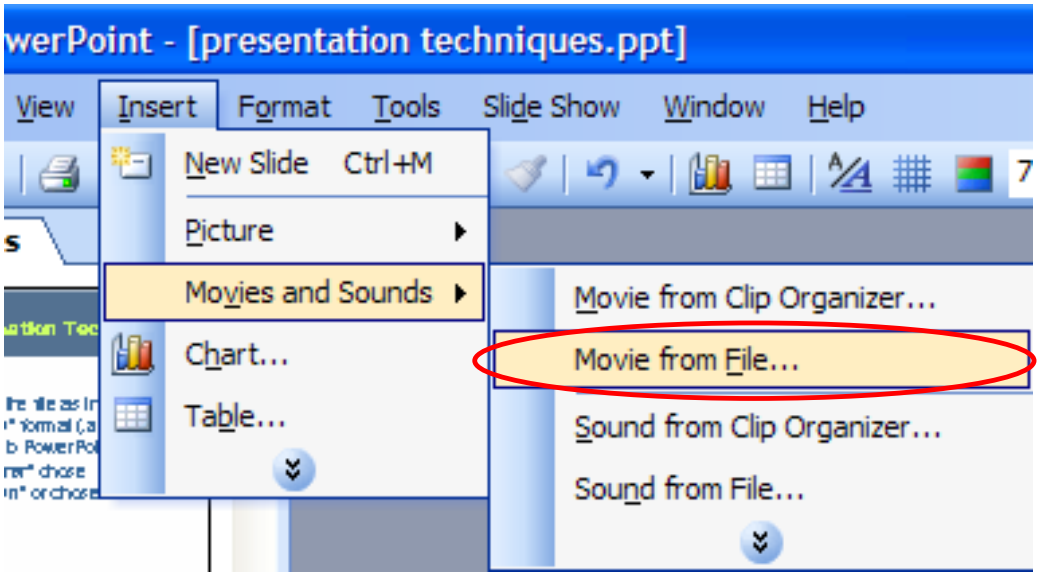
Animation Techniques

- Click on “**Save**” and when the next dialog box appears click OK for video compression
- The file will then be compressed into the video format

- Compression impacts the image quality and the file size
- The higher the compression rate the higher the image quality and the larger the file size
- The lower the compression rate the lower the image quality and the smaller the file size

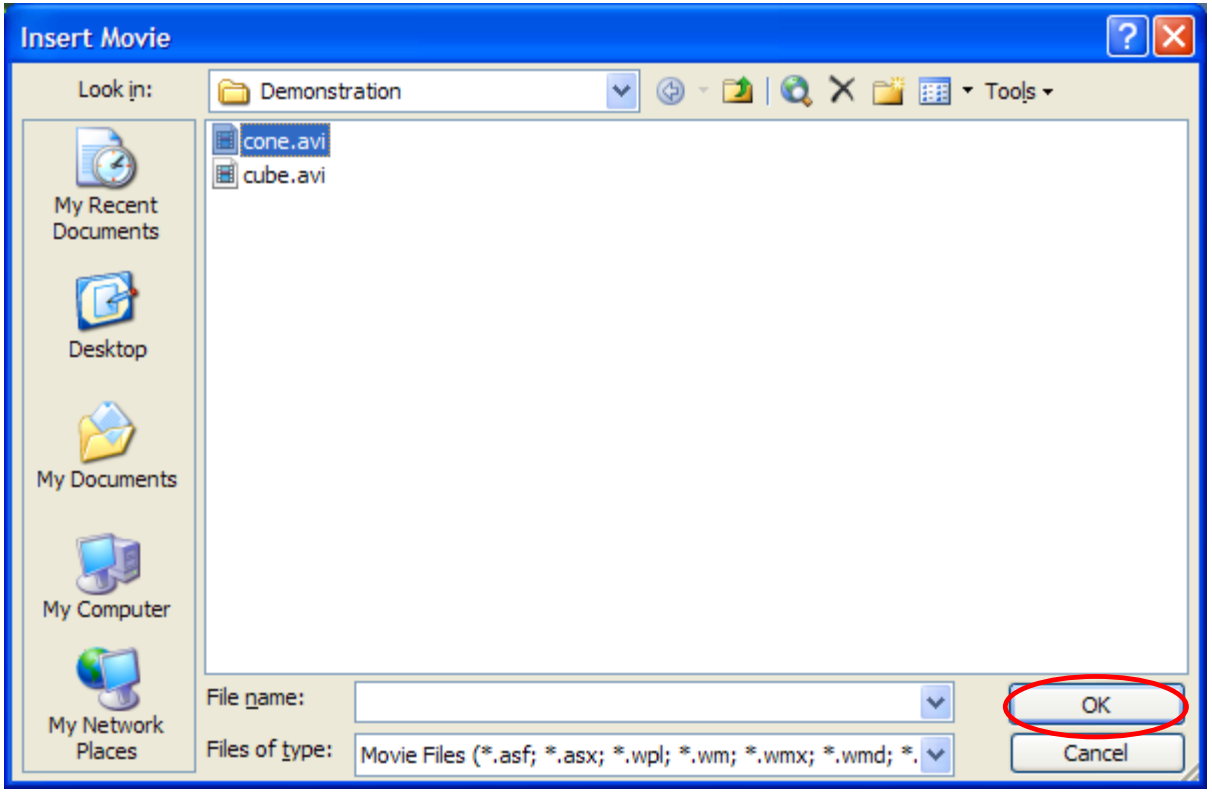
Animation Techniques

- To insert the animation into PowerPoint simply click on the "**Insert**" menu and select "**Movies and Sounds**" and then "**Movies from File**"

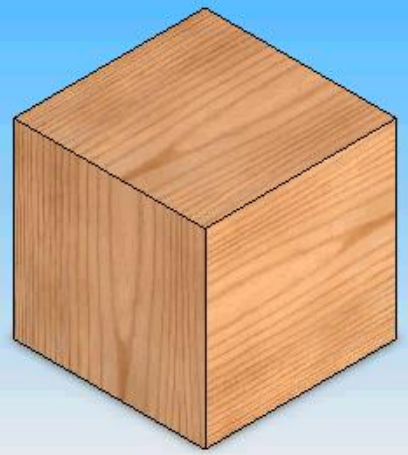


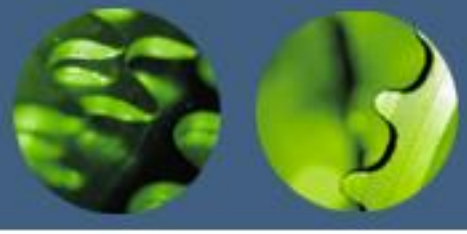
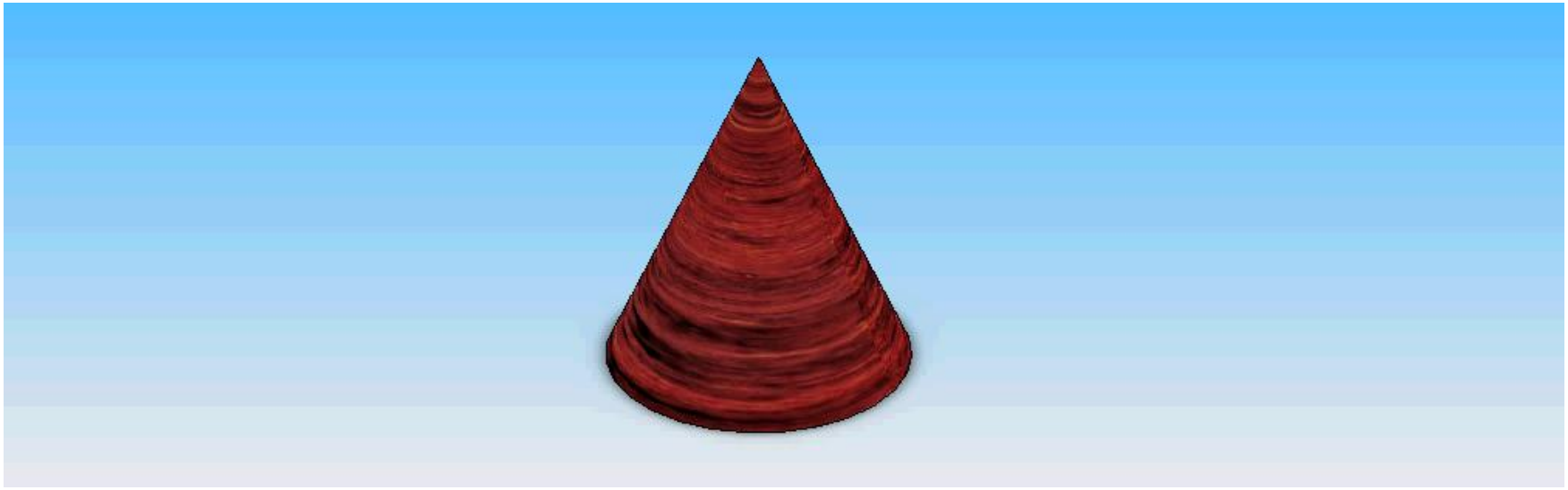
Animation Techniques

- In the dialog window select the location and movie you want to insert and select "**OK**"



Samples





Samples