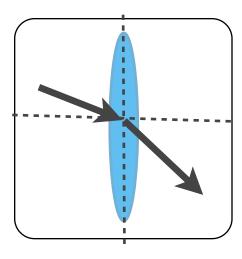
Images in Lenses

Converging Lens	Diverging Lens

- Light is actually refracted twice when it goes through a lens. It refracts a first time when it enters the lens (as it goes from air to glass) and a second time when it leaves the lens (goes from glass to air).
 - But we use a shortcut when drawing ray diagrams!
 Draw a dashed line through the middle of the lens and this allows to show the light being refracted one time.



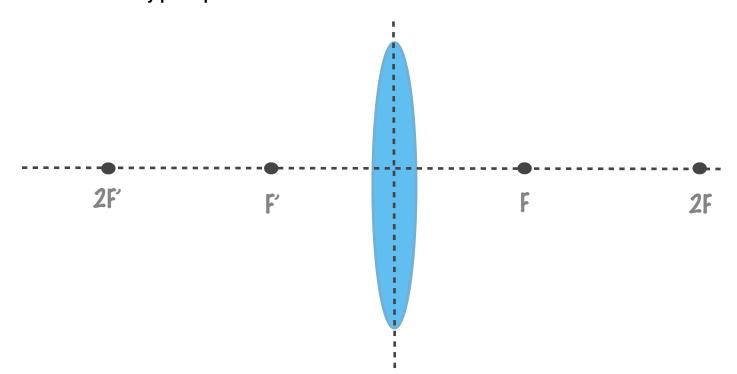
Converging Lens Optical Centre:

Principal axis:

Principal focus:

• Light can strike a lens from either side and both sides of the lens can focus parallel light rays. So you can get two focus points.

Secondary principal focus:



Diverging Lens Principal focus:

