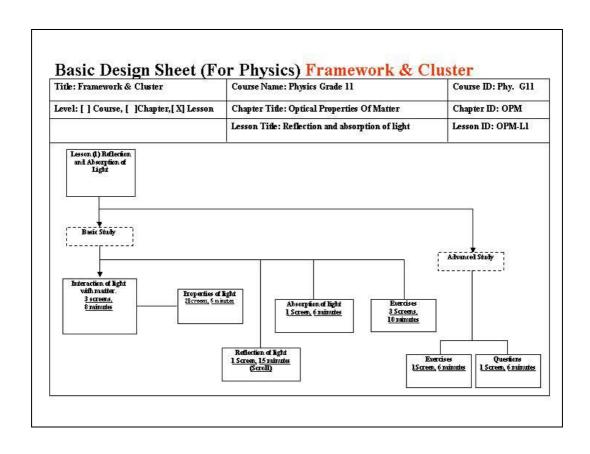
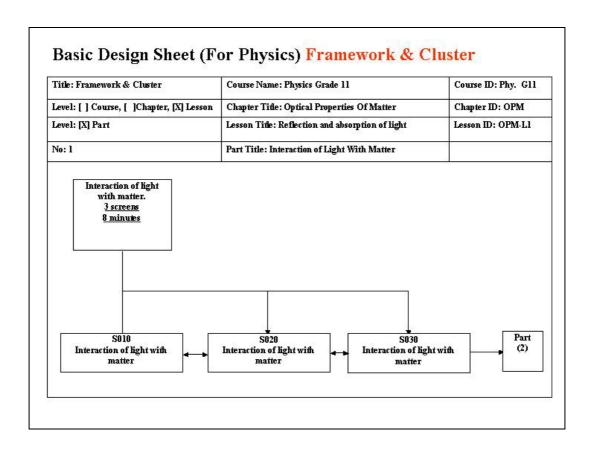
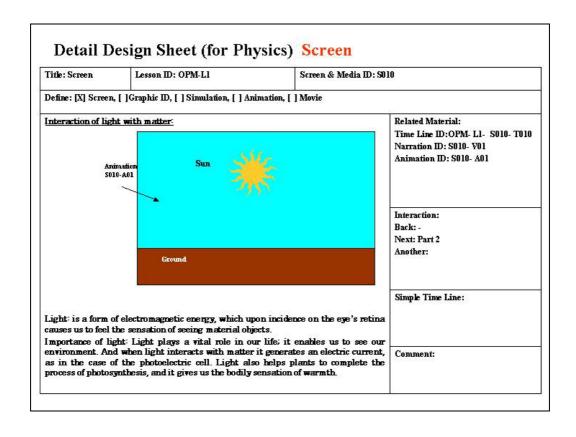
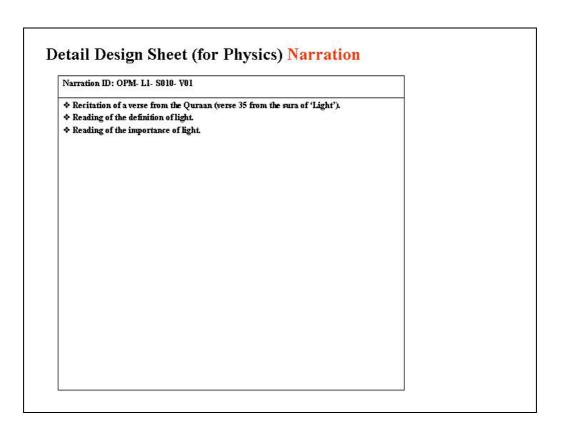
2nd. Detailed Design

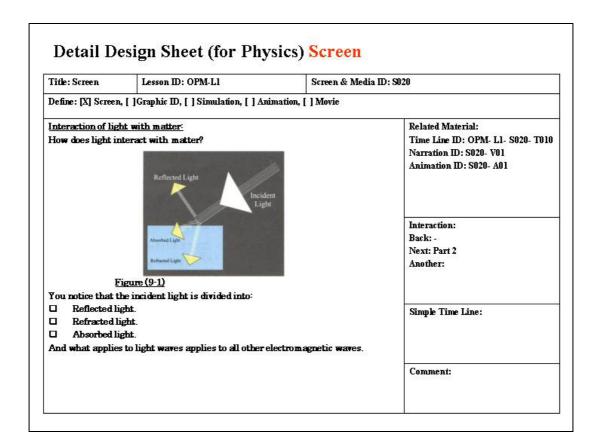






Fitle: storyboard	Upper ID: OPM- L1- S010 Storyboard ID: S010- A01	
Define: [] Screen, [X] Animation, [] question		
Screen Summary	Display, Movie, narration	
	Dark screen.	
	Screen clears up gradually.	
Light:	The definition of light appears	
*	The importance of light appears.	



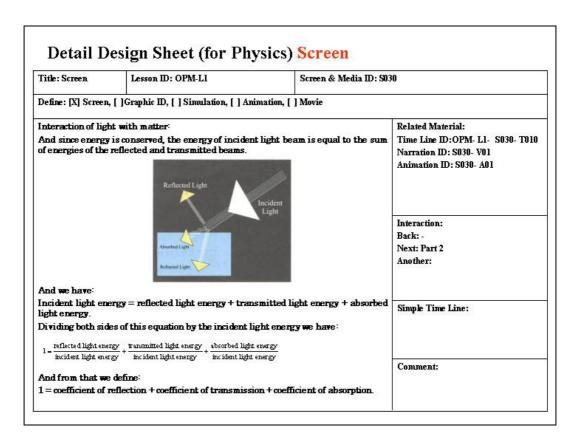


Title: storyboard Define: [] Screen, [X] Animation, [] question Screen Summary		Upper ID: OPM- L1- S020 Storyboard ID: S020- A01 Display, Movie, narration			
			How does light int with matter?	eract	Appearance of the question as a text.
			How does light		Appearance of figure (9-1) from the textbook.
Howdoes light		The names of the four types of beams appears in order: Incident, reflected, refracted, absorbed.			
Howdoes light		The narrated text appears.			

Detail Design Sheet (for Physics) Narration Narration ID: OPM- L1- S020- V01 + A narrative reads the text 5econds after the final figure appears. + The text takes 10 seconds to be read. + The narrative needs to be synchronized with the appearance of terms on the figure.

Detail Design Sheet (for Physics) Time Line

Fitle: Time Line.	Upper ID: OPM- L1- S020
Define: [X] screen, [] animation, [] question	Time Line ID: OPM- L1- S020- T01
Display, Movie, Narration	Let



Title: storyboard Define: [] Screen, [X] Animation, [] question		Upper ID: OPM- L1- S030 Storyboard ID: S030- A01	
S	creen Summary	Display, Movie, narration	
	Interaction of light with matter.	Appearance of the question as a text.	
	Interaction	Appearance of the previous figure.	
	Interaction And we have:	Appearance of the text.	
		The narrated text appears.	

Detail Design Sheet (for Physics) Narration Narration ID: OPM-L1- S030-V03 + The narrative reads the first ext in 20 seconds. + Appearance of the figure accompanied by music for 20 seconds. + The narrative reads the second text in 20 seconds. + While the music is still playing. 1 minutes is left for the students to interact with the content.

Detail Design Sheet (for Physics) Time Line

Title: Time Line.	Upper ID: OPM- L1- S030	
Define: [X] screen, [] animation, [] question	Time Line ID: OPM- L1- S030- T01	
Display, Movie, Narration		
*Appearance of the question f *Appearance of the figure for *Reading of the text for 20 se *Giving the student one minu	20 seconds.	

