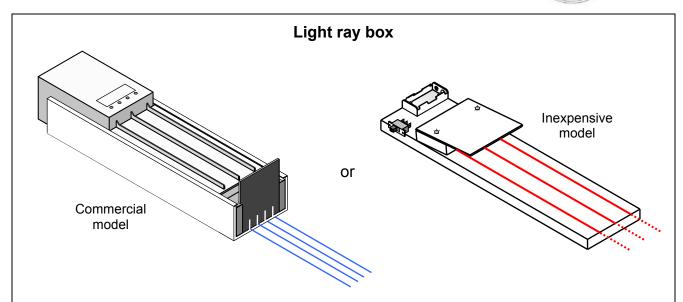


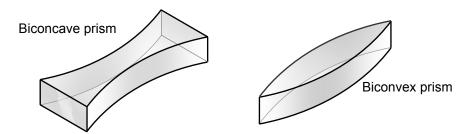
Name:	
Group:	

# Scientific investigation about the convergence and divergence of light rays



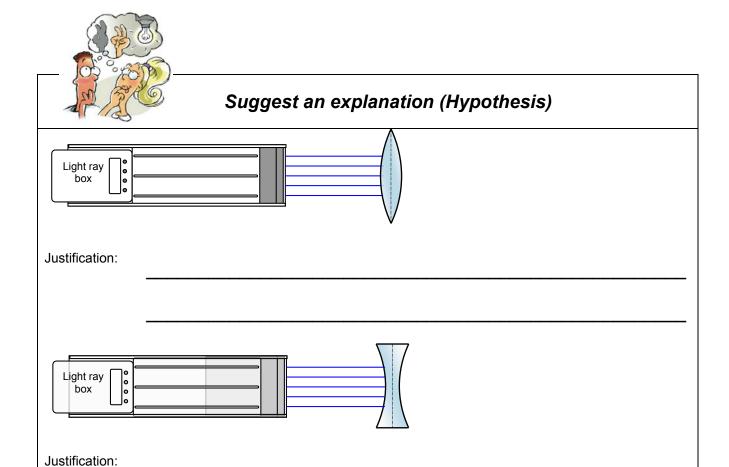
When you want to study the behaviour of light in a given environment, it is very useful to use a light ray box. This box generates light rays parallel to one another. By observing the path of these rays of light, we come to understand the function of an optical device like a prism.

In your opinion, how will parallel rays of light behave when crossing these prisms?



#### Your mandate:

Produce and carry out a process that will allow you to determine how biconcave and concave prisms change the path of parallel light rays.

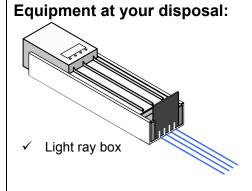


Appropriate representation of the situation Formulation of hypotheses



## Planning and implementing the process

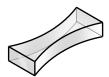




Biconvex prism



Biconcave prism



- Paper
- Pencil

Based on the supplied equipment, plan your process:			
•			

Cr2	Development of a suitable plan of action	Planning of steps in the plan of action (manipulations, diagram of the assembly, etc.)	
		Selection of resources (materials, equipment, etc.)	
Cr3	Appropriate implementation of the	Observance of safety rules	
CIS	plan of action	Use of appropriate strategies and techniques	





#### Data

## Note your observations

Cr3	Appropriate implementation	Recording of data	
CIS	of the plan of action	Use appropriate types of representation (diagrams)	







## Note what you experienced

Difficulties encountered			Adjustments made	
		· , · , · . · · ·		
			- <del></del>	
		<del> </del>		
Cr3	Appropriate implementation of the plan of action	Adjustmer	nts during the implementation of the tion	



## Working out explanations and concluding

Working out explanations and concluding
Is your hypothesis confirmed or refuted?
Why? Explain your choice based on your results and observations.
What do you take away from this process (what is the most important thing to remember?)
If you could start your investigation over, explain what you would do differently and why.
in you could start your investigation over, explain what you would do differently and why.
Verification of consistency of the hypothesis with the analysis of the
Development results.
of relevant explanations, explanations, explanations, explanations, explanations, explanations, explanations, explanations or conclusions in accordance with the data collected and knowledge acquired
solutions or conclusions Proposal of improvements
Use of appropriate terminology, rules and conventions