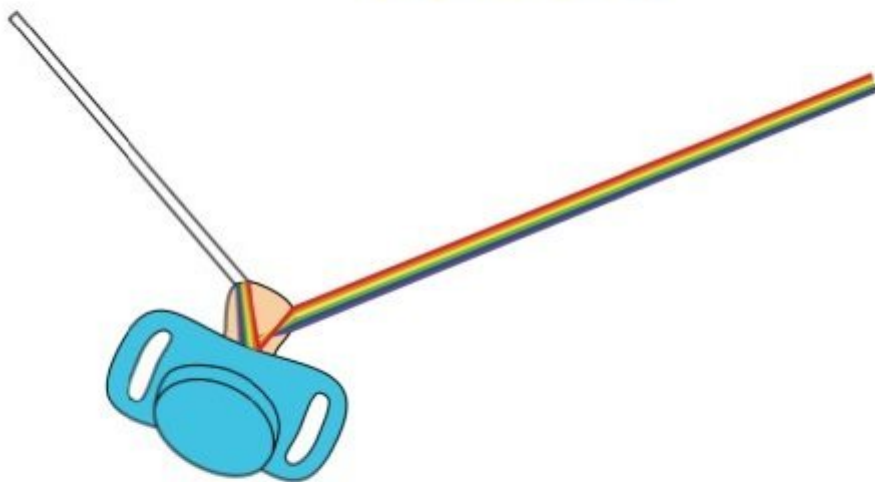


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# Optical Physics For Babies (Volume 3)

## Optical Physics for Babies



by Chris Ferrie



## Synopsis

Optical Physics for Babies by Chris Ferrie is a colorfully simple introduction to the principles of linear optics. Baby will find out what the difference between reflection and refraction is and why both are necessary to create wonderful things, like rainbows. It is never too early to become a quantum physicist

## Book Information

Series: Physics for Babies

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Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (21 customer reviews)

Best Sellers Rank: #143,058 in Books (See Top 100 in Books) #79 in [Books > Children's Books > Education & Reference > Science Studies > Physics](#) #2353 in [Books > Children's Books > Science, Nature & How It Works](#)

## Customer Reviews

Hooray for "baby" books with real science! It's cool to get these concepts into your head at an early age. The author hits fundamental concepts that, if gotten right early on, can encourage proper careful scientific thought about the world around you. It is great that he shows refraction and dispersion, and relates these to how rainbows form. Unfortunately, the meat of the book - refraction - is illustrated incorrectly in about 1/3 of the book. I'm fighting the urge to say "for a childrens book, I guess it doesn't matter," but... light isn't shown traveling in the correct direction in some of the drawings. (Rays entering a plane slab actually go in a direction different than what's shown; it's kind of reversed here. The ray would be on the opposite side of the perpendicular (the "normal") to the object's surface. That is, it wasn't shown flopping over to the other side of the axis. And so it is even more incorrect when exiting the slab.) Anyhow, the nice thing is that the author is careful to show that DISPERSION results in different colors being refracted different amounts. Despite the errors in refraction, somehow the raindrops are shown correctly. I would've just emailed this comment to the author instead of posting it here, but I couldn't find his email address.

Great book for a kid who is curious about everything. I have to admit that I didn't realize that double rainbows have inverted colors. They even explained why in a simple way. I highly recommend this book for anybody with kids, nieces/nephews, grandkids, etc.

These books are great to teach kids a basic understanding of scientific topics. This book breaks down very complicated things into terms that a toddler can understand which is not an easy feat. I feel like every book in the series is a great buy for any parent with a kid under 7, not just for babies and toddlers. I like that my daughter is learning about things that really matter for once and not just about what Queen Elsa is doing or other garbage. The price point on Kindle is great which allows most families to buy and read these books. All I can ask is that more of them become available on Kindle so that we can add more to our collection. These books help build small scientists which is soo awesome.

Having two physicist in the family, my husband and my son, this and it's companion books were de rigueur for my grandson. I have enjoyed buying them for the laughs they generate in the older folks. My son has actually read them as bedtime stories. My daughter in law felt like she would improve her understanding of physics. (Her dad's an engineer so she is out numbered, poor dear). Anyway, I recommend these for anyone who wants to provide a bit o science early in you child's life. But start at the beginning so they are just part of their reading list. And enjoy them yourselves!

My toddler loves all the books in this series. He has several books, but continually pulls these out and asks us to read it to him. He is not even two yet so that says something to me. To keep a toddler captivated is no small order. A+++

I learned a lot myself!

by far the cutest baby geek book I have ever read. I love it so much!! I'm an engineer and got it for my 18 month old daughter.

This book has more clear and concise explanations than in my college science class! I can't wait to read it with my baby

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