

# ChirpPeek



*Interspecies Installation  
designed for Urban  
Public Spaces*

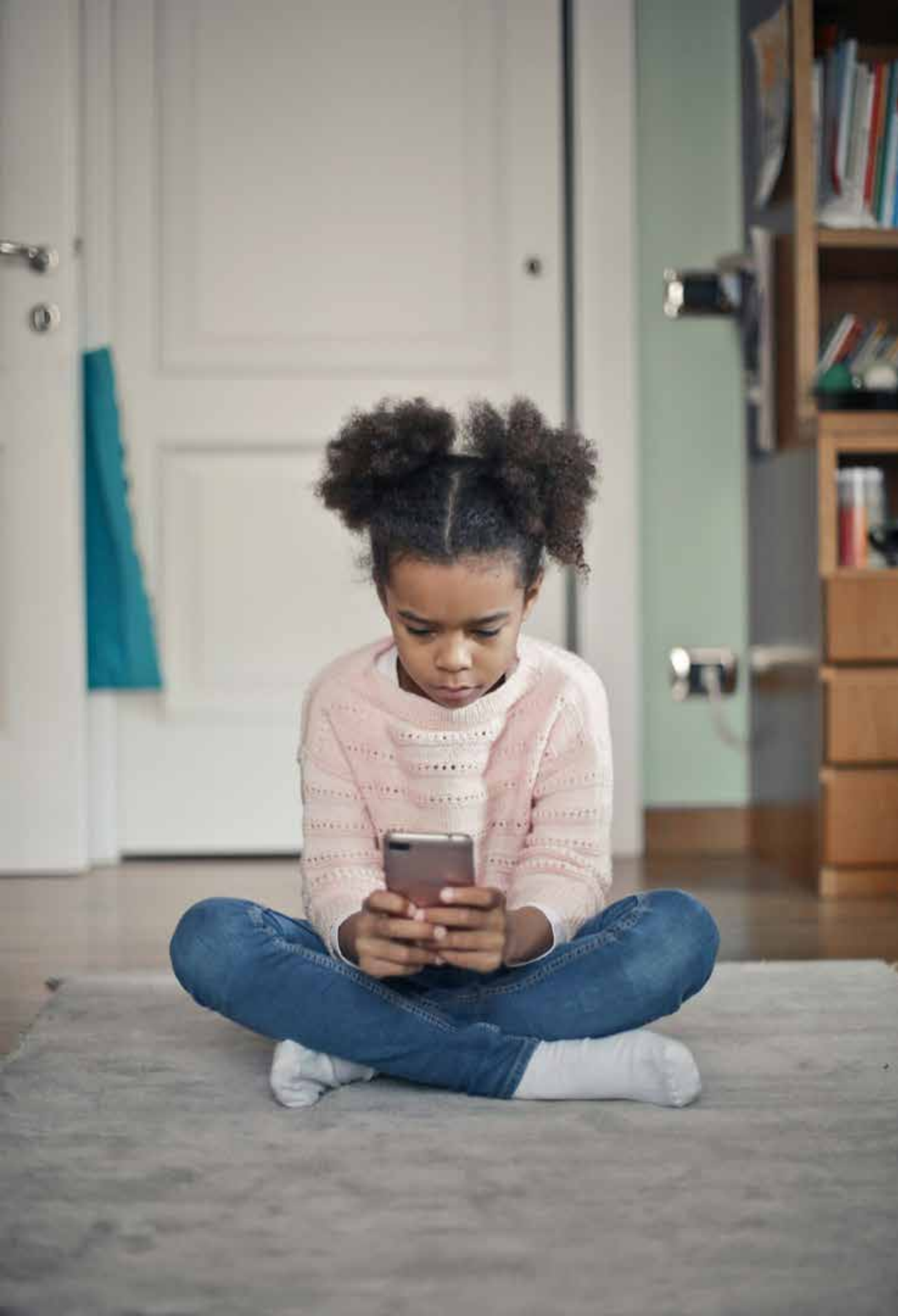


How can design help strengthen  
our ties to the environment and  
our community?

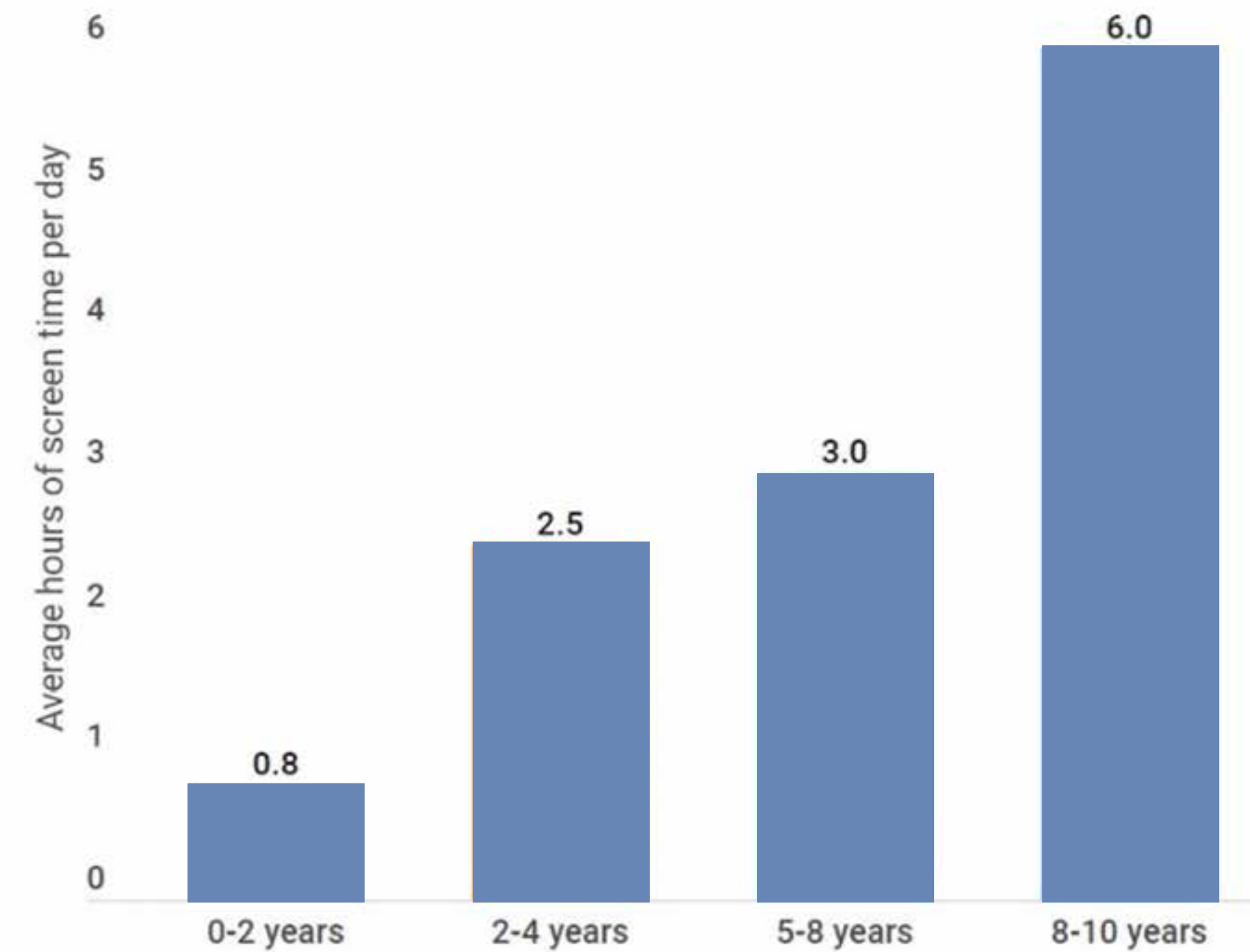


A photograph of a busy New York City street, likely Times Square, showing a dense urban environment. Tall buildings line the street, and several yellow taxis are visible. Pedestrians are walking across the street, and a bus is also present. The scene is captured in a cinematic style with a slightly desaturated color palette.

Growing disconnection  
from nature in urban areas.



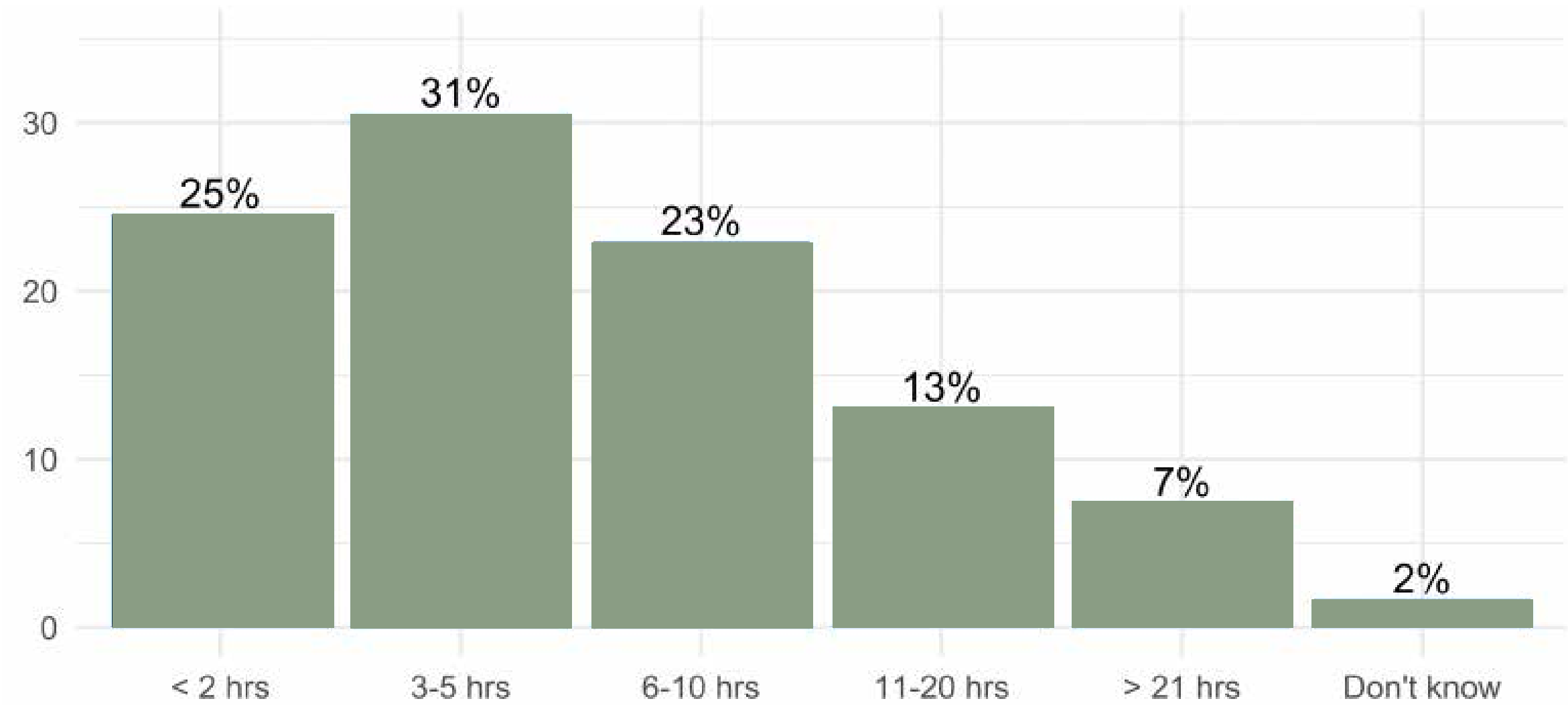
Average Child Screen Time by Age Range



People worldwide spend about **6h58mins** (**44%** of their waking hours) on their screens per day.



American Adults Report Spending Little Time Outside Each Week



**56%** of American adults report spending **5 hours or fewer** outside in nature each week.



## Physical Health Mental Health

*sedentary lifestyle,  
stress, anxiety,  
depression...*



## Environmental Awareness

*out of sight,  
out of mind*

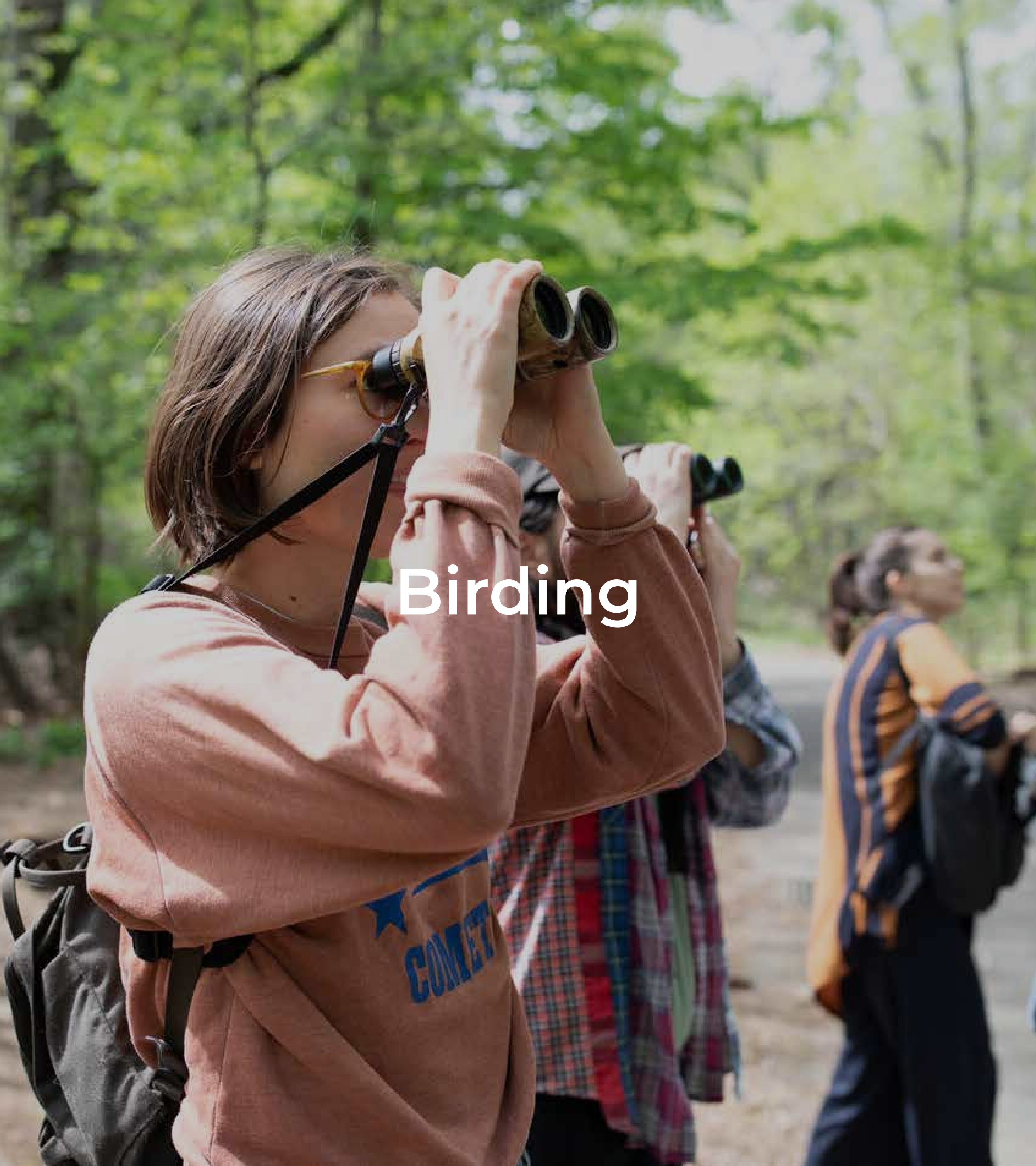


## Social/Community Well-being

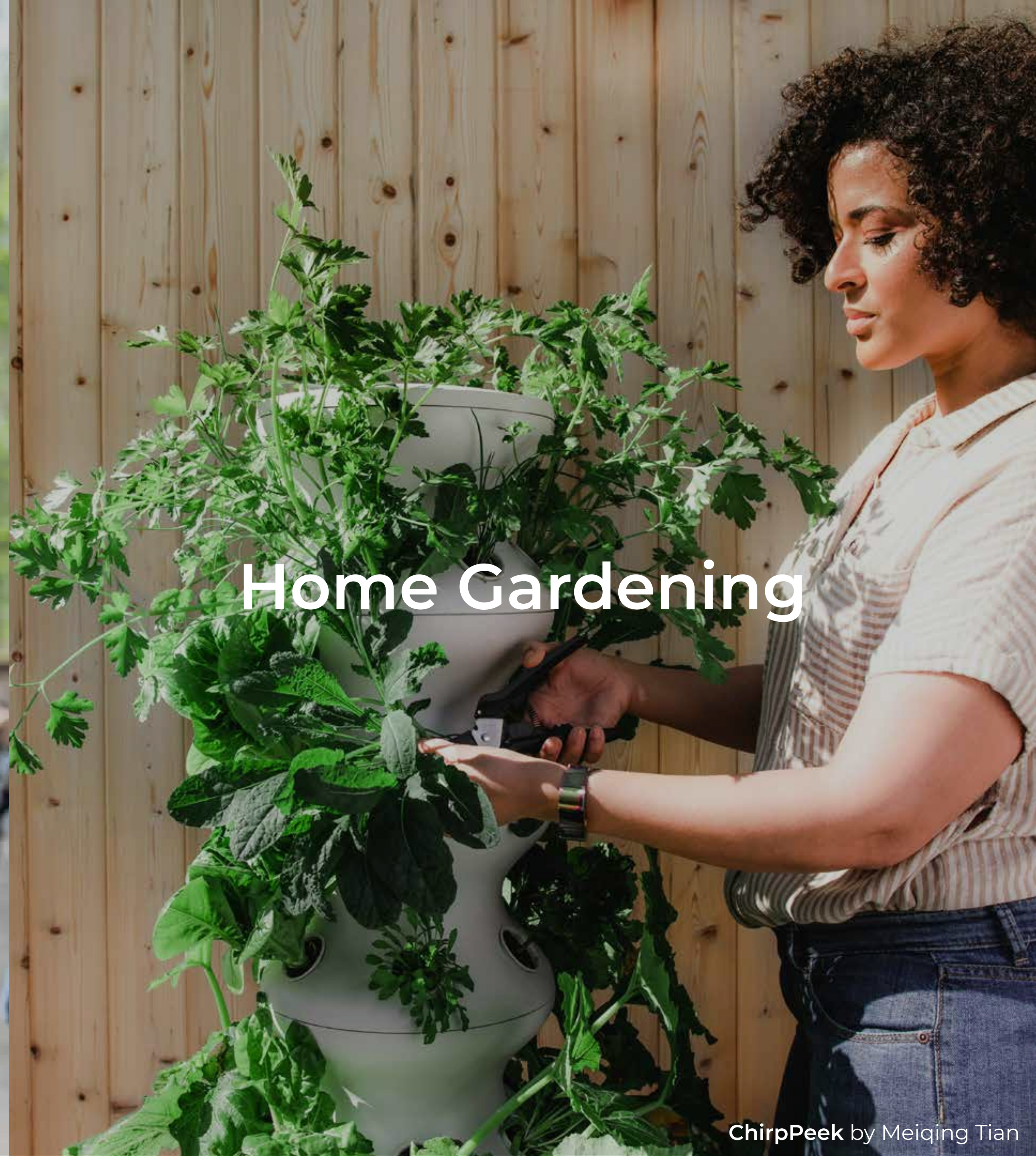
*less social interaction,  
diminished sense of  
community*

The image is a horizontal split. The left half shows a woman in a brown sweatshirt with 'COMET' on it, looking through binoculars in a wooded area. The right half shows a woman with curly hair harvesting herbs from a white vertical hydroponic planter against a wooden wall. The text 'People are finding ways to reconnect with nature...' is centered across the middle in white.

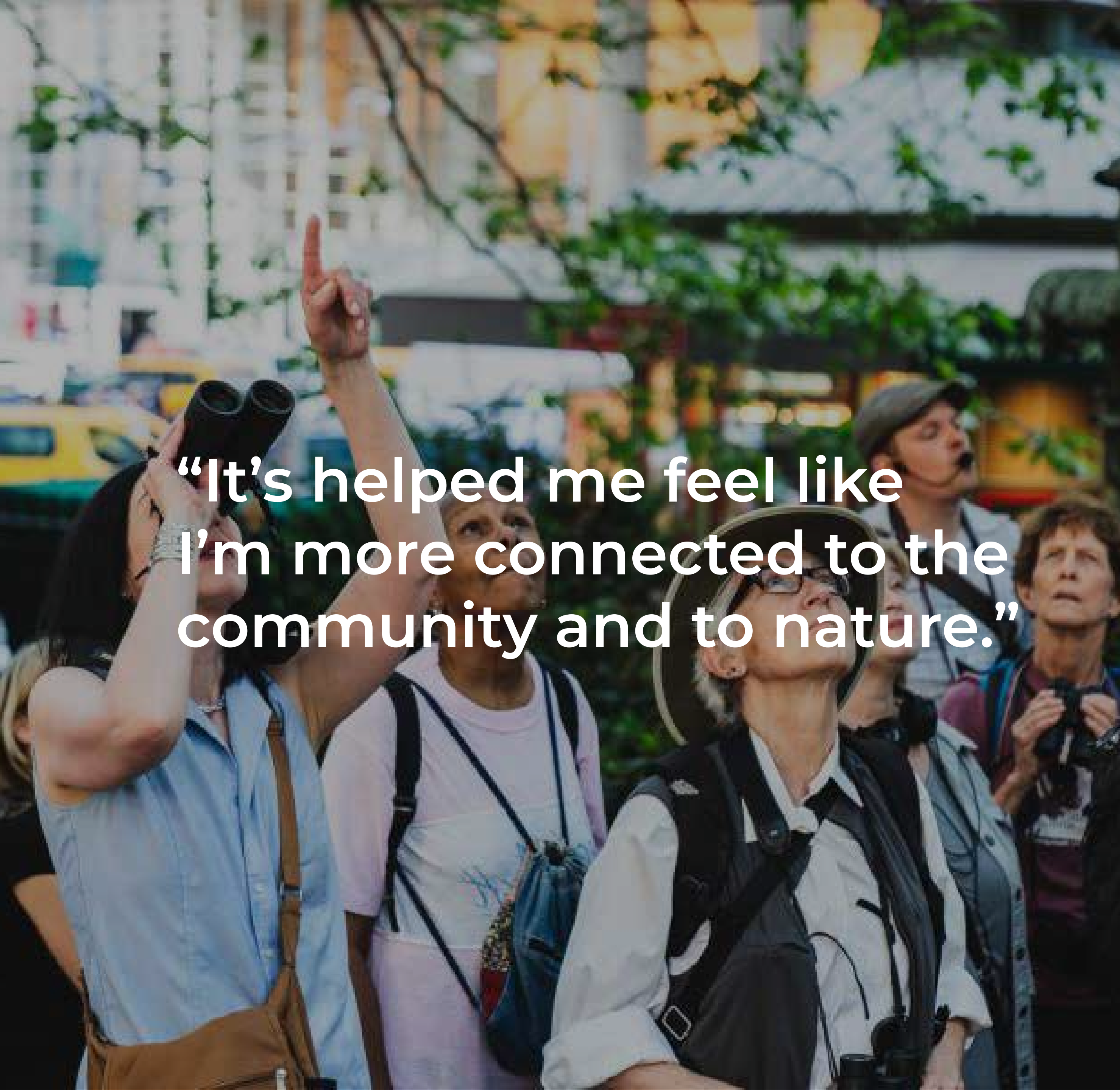
People are finding ways  
to reconnect with nature...



## Birding



## Home Gardening

A group of people, mostly women, are gathered outdoors in what appears to be an urban park or street. They are all looking upwards, some holding binoculars, suggesting they are birdwatching. The background shows green foliage and a building. The text is overlaid on the left side of the image.

“It’s helped me feel like  
I’m more connected to the  
community and to nature.”

## Birding

In pandemic times  
bird-watching has grown  
in popularity (around 20%  
of the US population).

# Discover Urban Bird Species

Birdhouse + feeder  
on my balcony



Blue Jay



Mockingbird



Mourning dove



House Sparrow



Northern Cardinal  
(Male)




Northern Cardinal  
(Juvenile)





Northern Cardinal  
(Female)








Birding App  
(identify bird's  
song)



Merlin Bird ID  
From the Cornell Lab of Ornithology

0:00



BEST MATCHES		
	House Sparrow	✓
	Northern Mockingbird	✓
	Northern Cardinal	✓
	Red-eyed Vireo	✓
	Blue Jay	✓
	Tufted Titmouse	✓
	White-breasted Nuthatch	✓

# 1st Time Birding Experience

WaveHill, 11.12.2023

## Challenge for beginners:

- Equipments
- Finding birds
- Identifying birds

## Interview with Gabriel Willow:

- Feeder season: October to May
- Birds' color preferences.



How can we design a birding experience that caters to beginner birdwatcher in an urban public space?

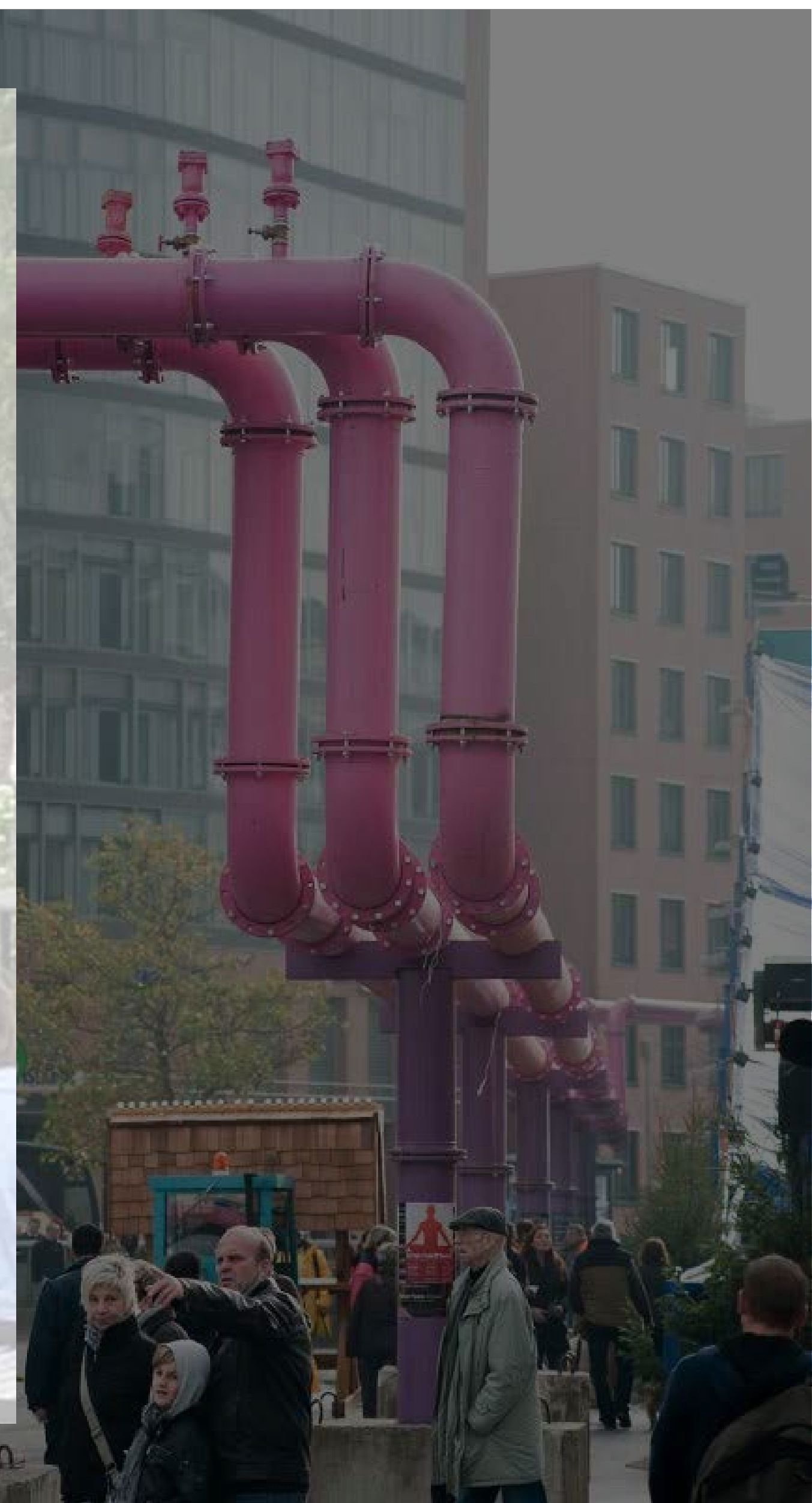




DIGITALLY REMIXED SURROUND SOUND AND RENOVATED PICTURE



Mexico City . Sydney . Tokyo . London  
Vienna . Brussels . Copenhagen . Paris . Berlin . Rome . Amsterdam



# User Interviews with early prototype and sketch

Park-goers in Fort Greene Park



# Expert Interviews

Education learning coordinator, NestWatch project leader,  
naturalist, industrial designer, landscape architect

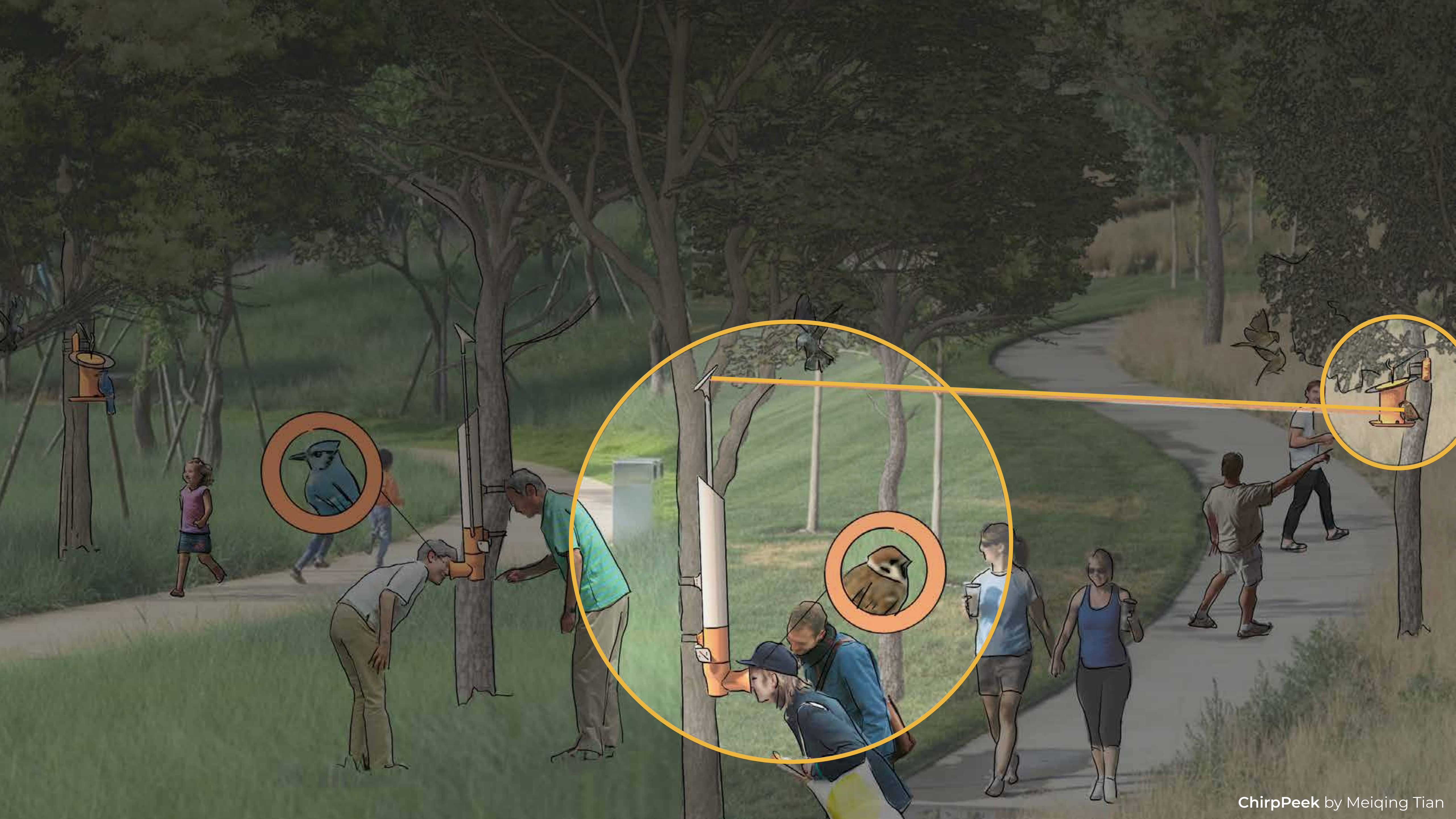


- Bird feeder is more practical
- Feeder season: October - May
- Color Selection

- Durable for outdoor public use
- Flexibility of the installation
- Easily assemble and disassemble

A playful installation that allowing people to observe birds closely without disturbing them.

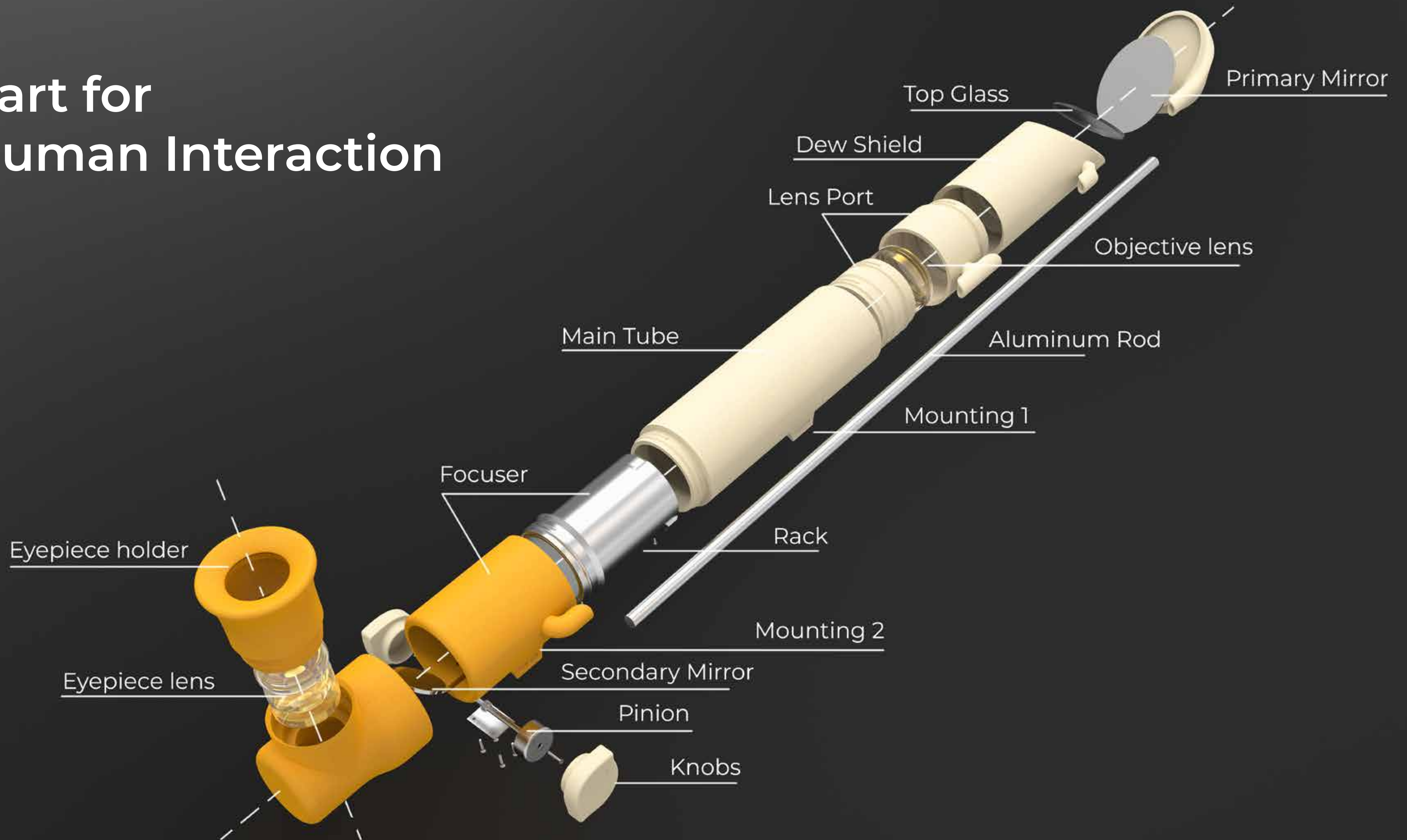




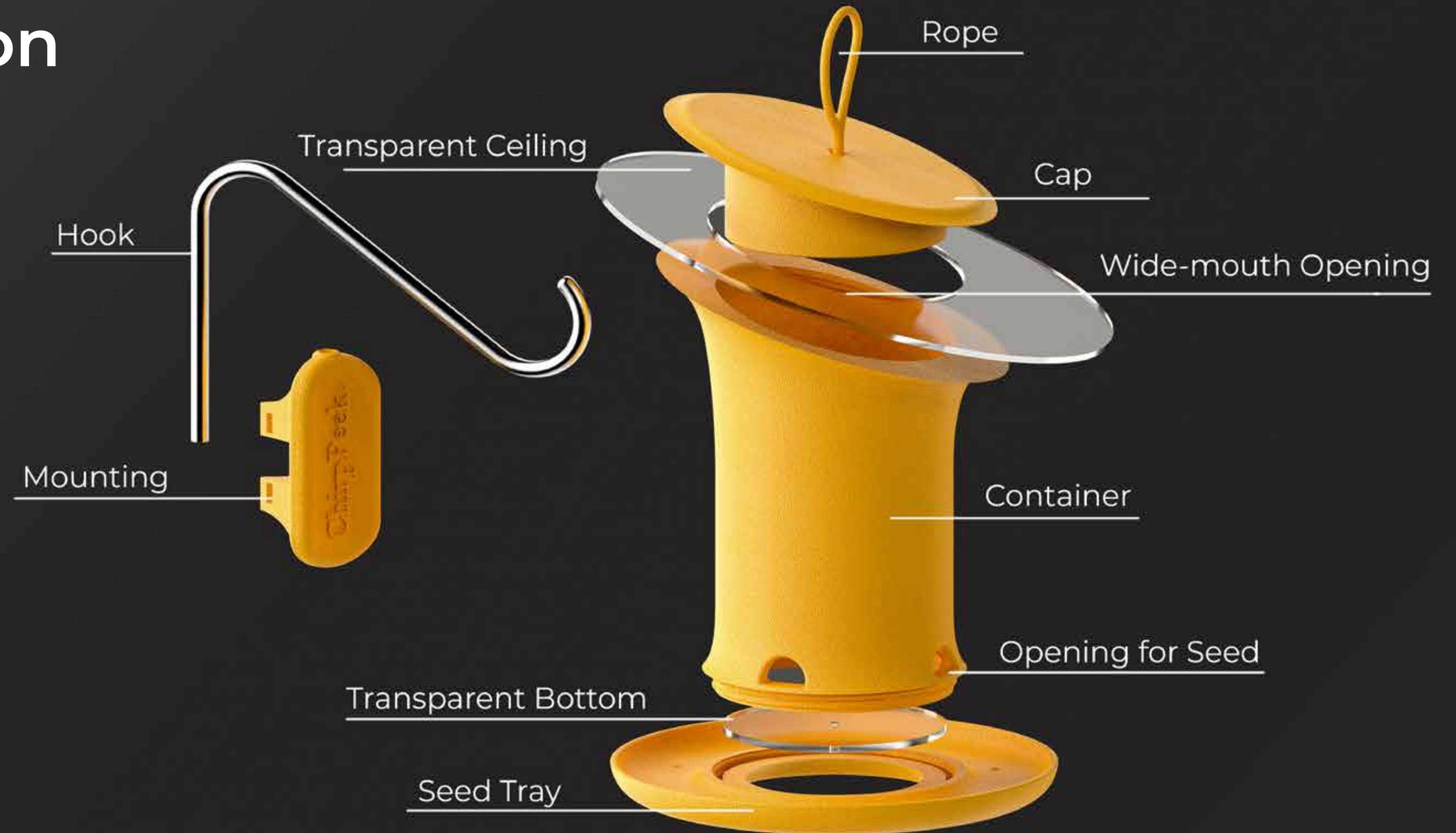
# ChirpPeek



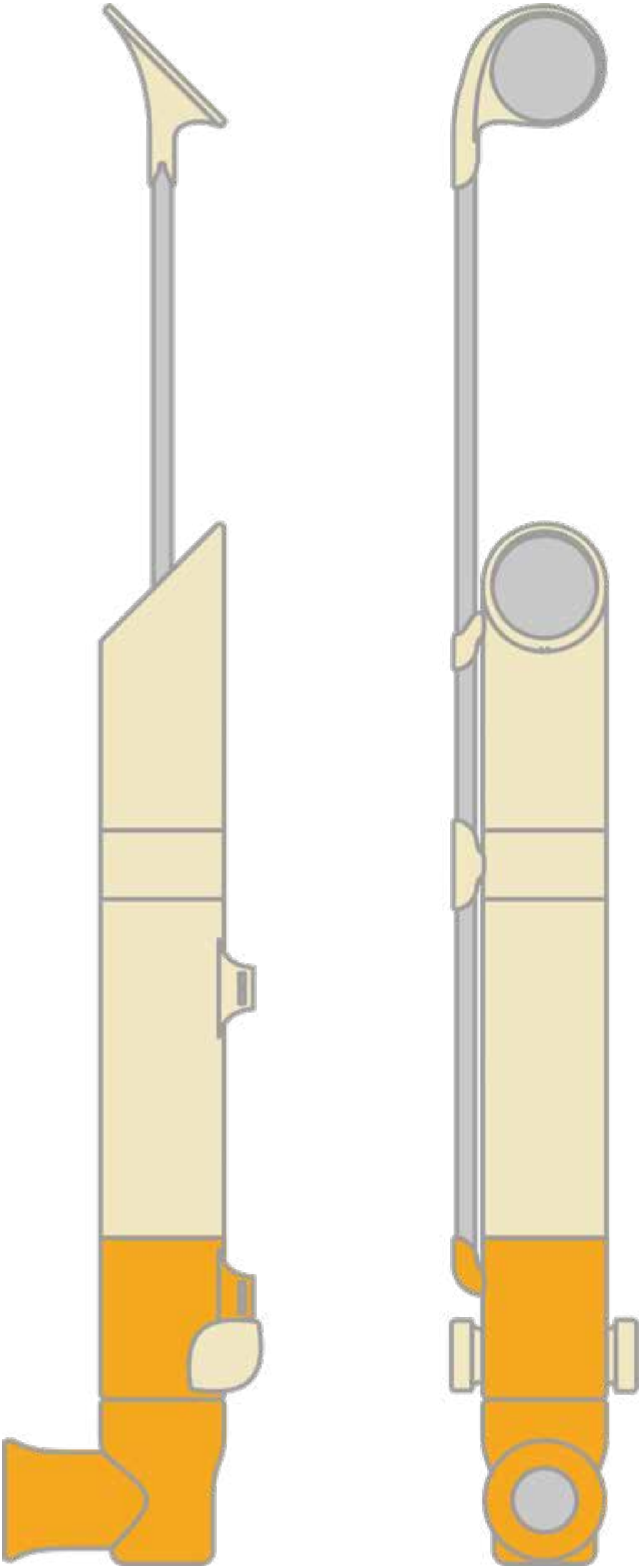
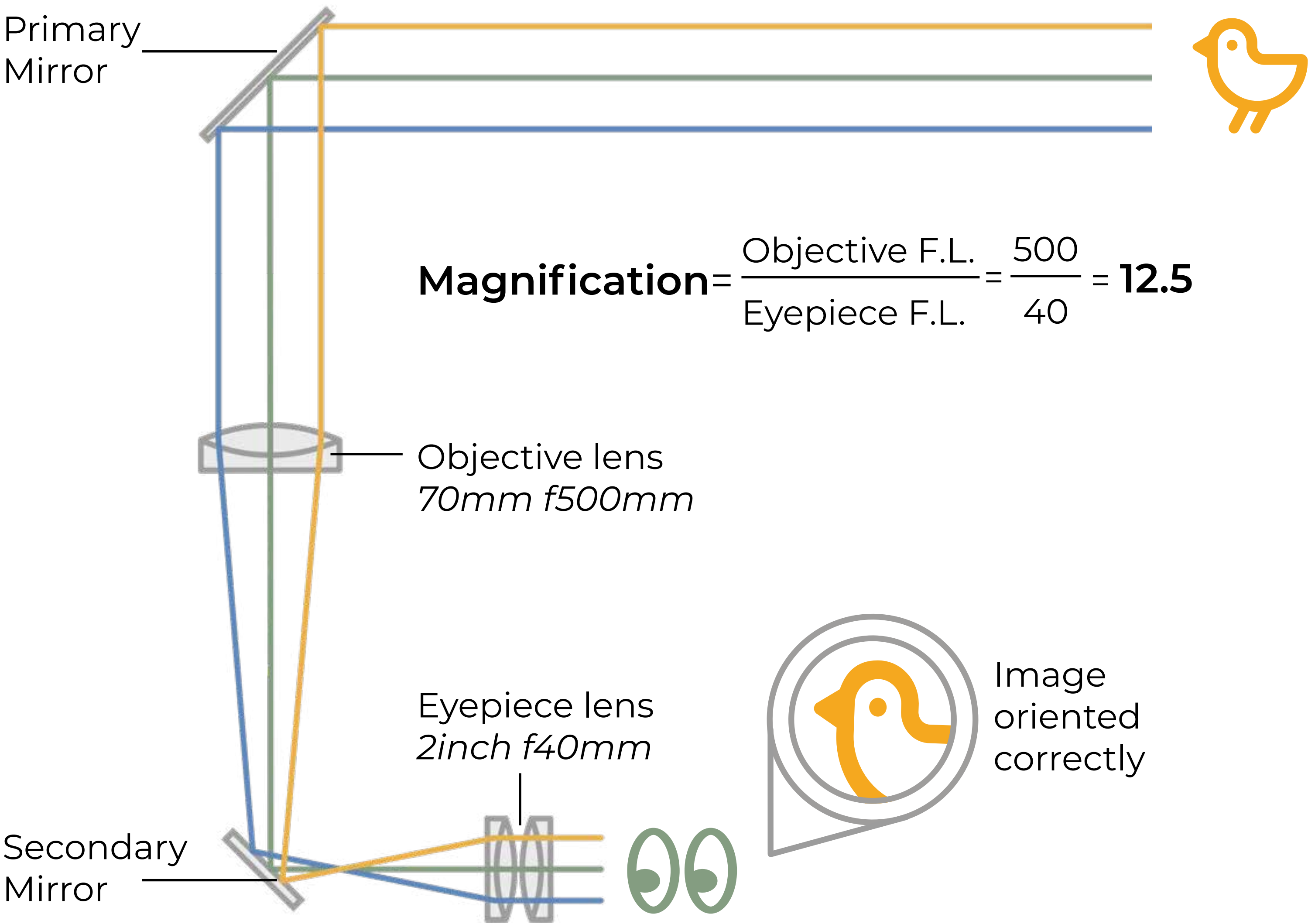
# Part for Human Interaction

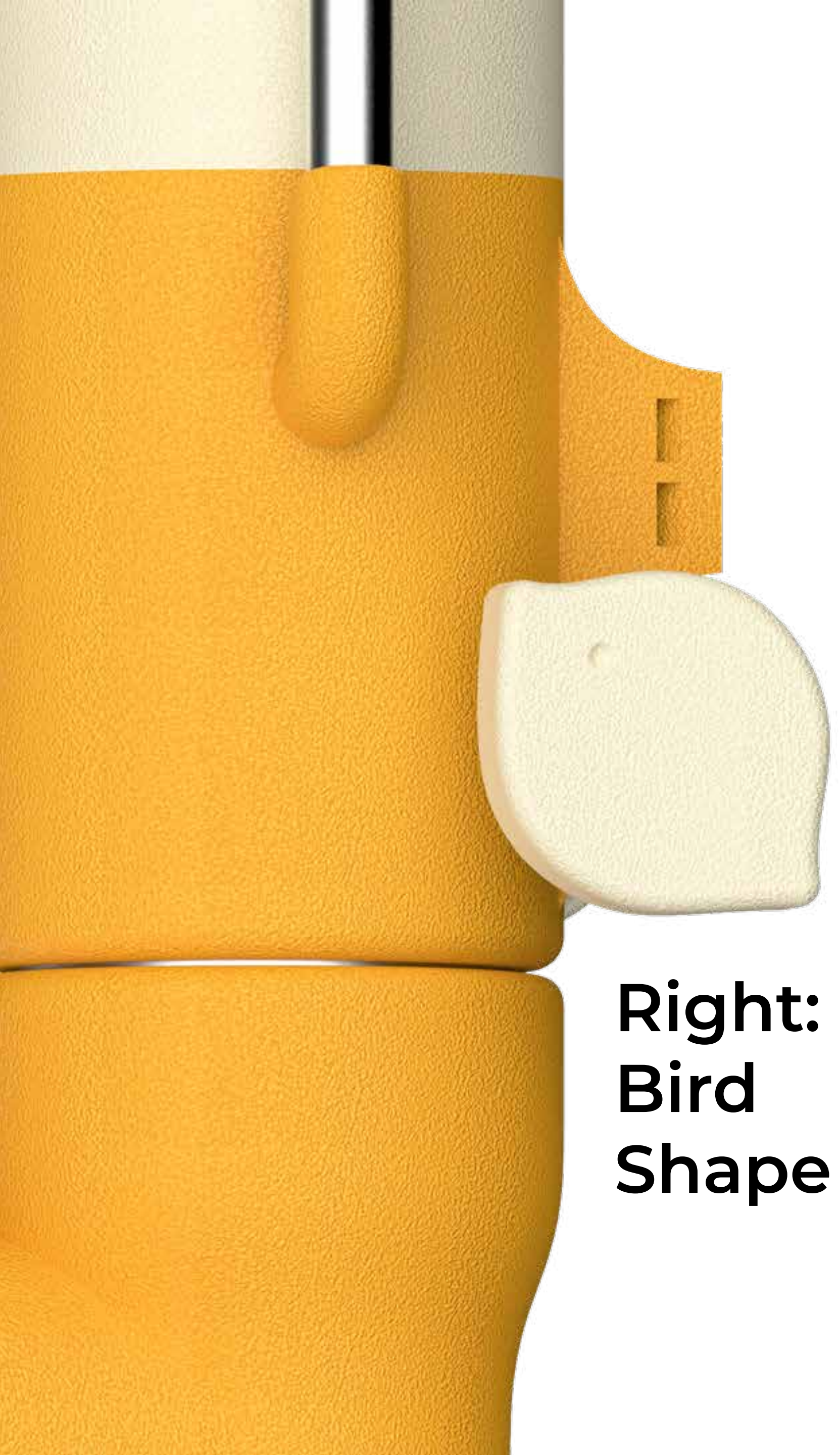


# Part for Bird Interaction

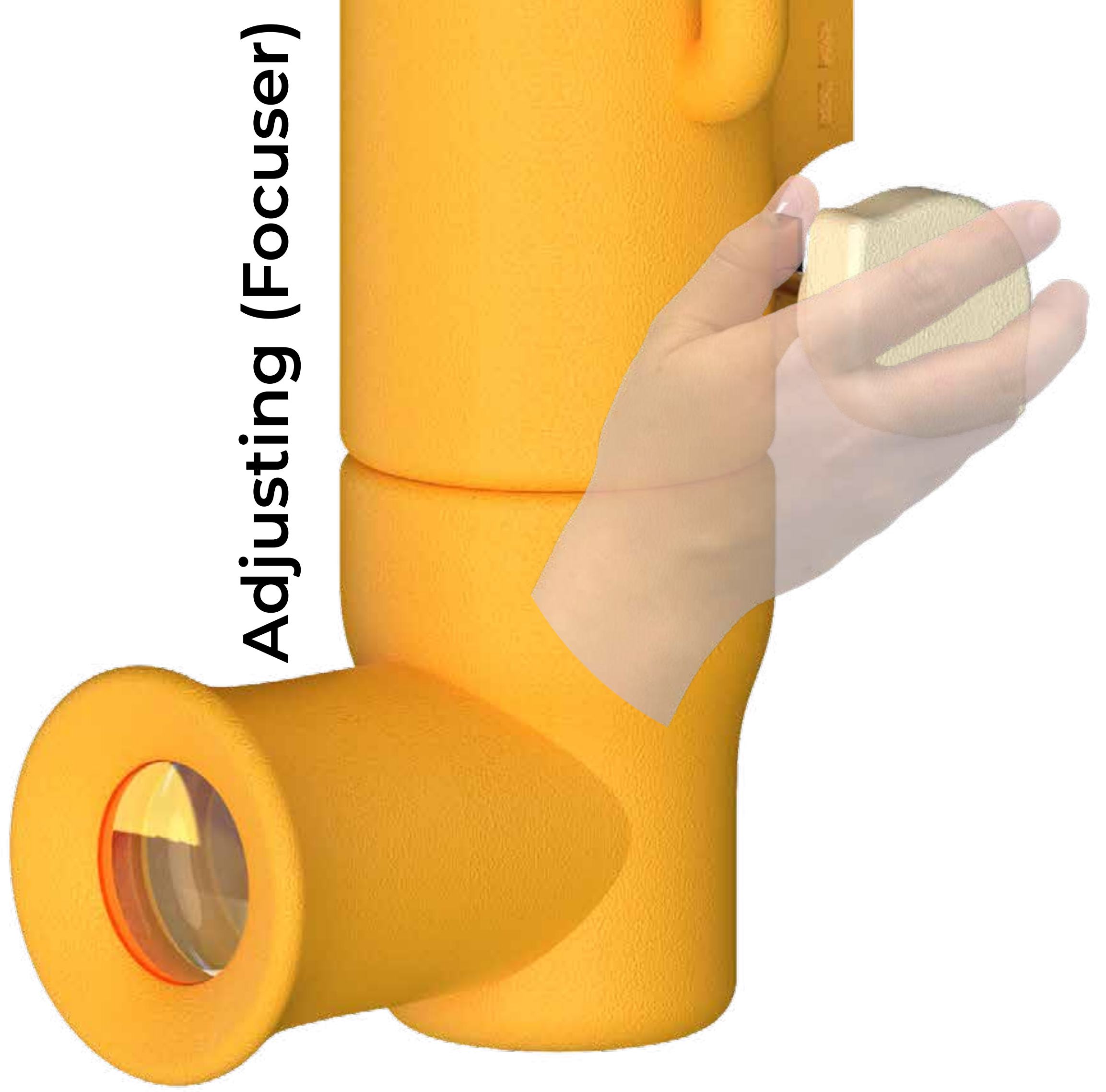


# How Optics Function Inside





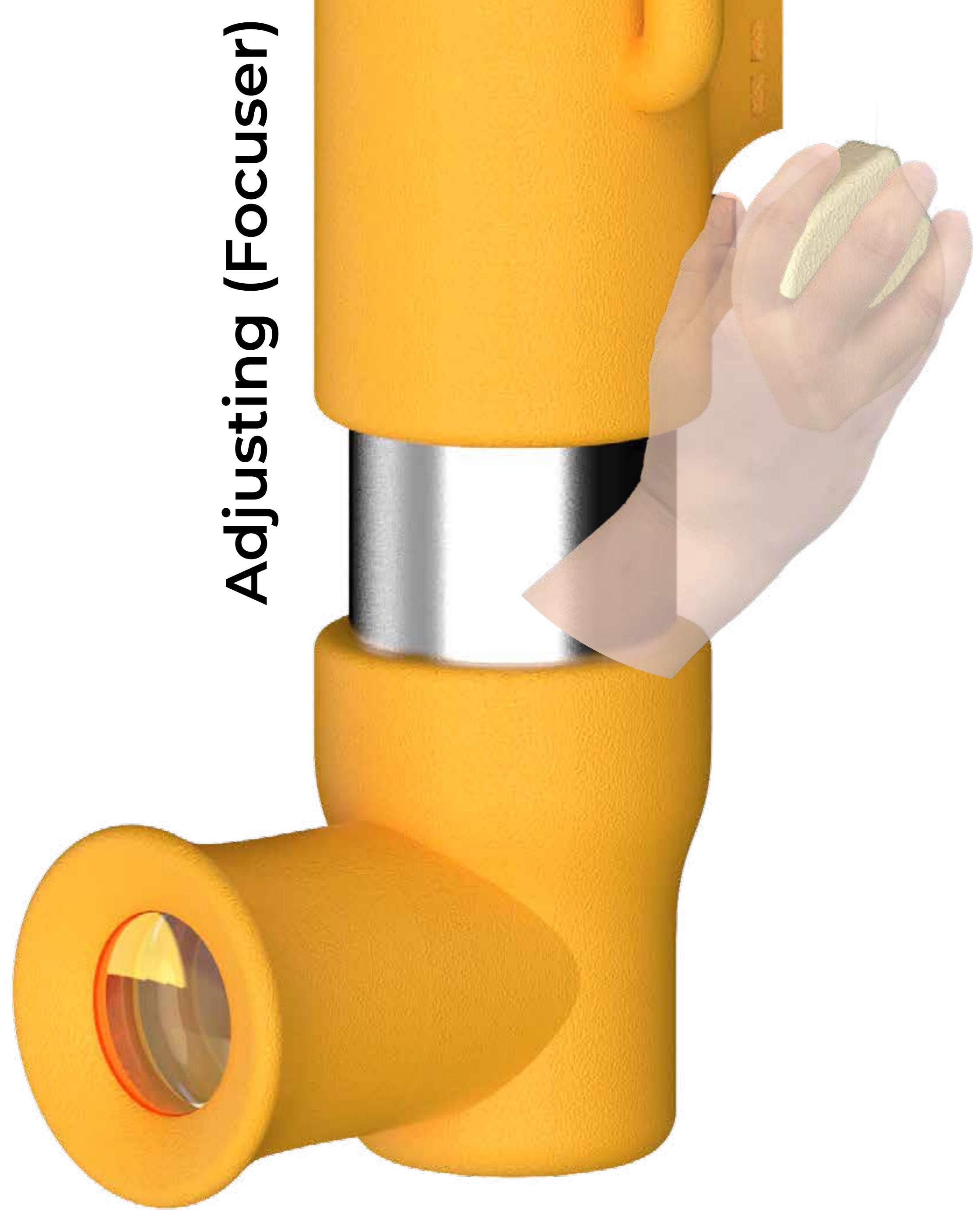
**Right:  
Bird  
Shape**



**Adjusting (Focuser)**



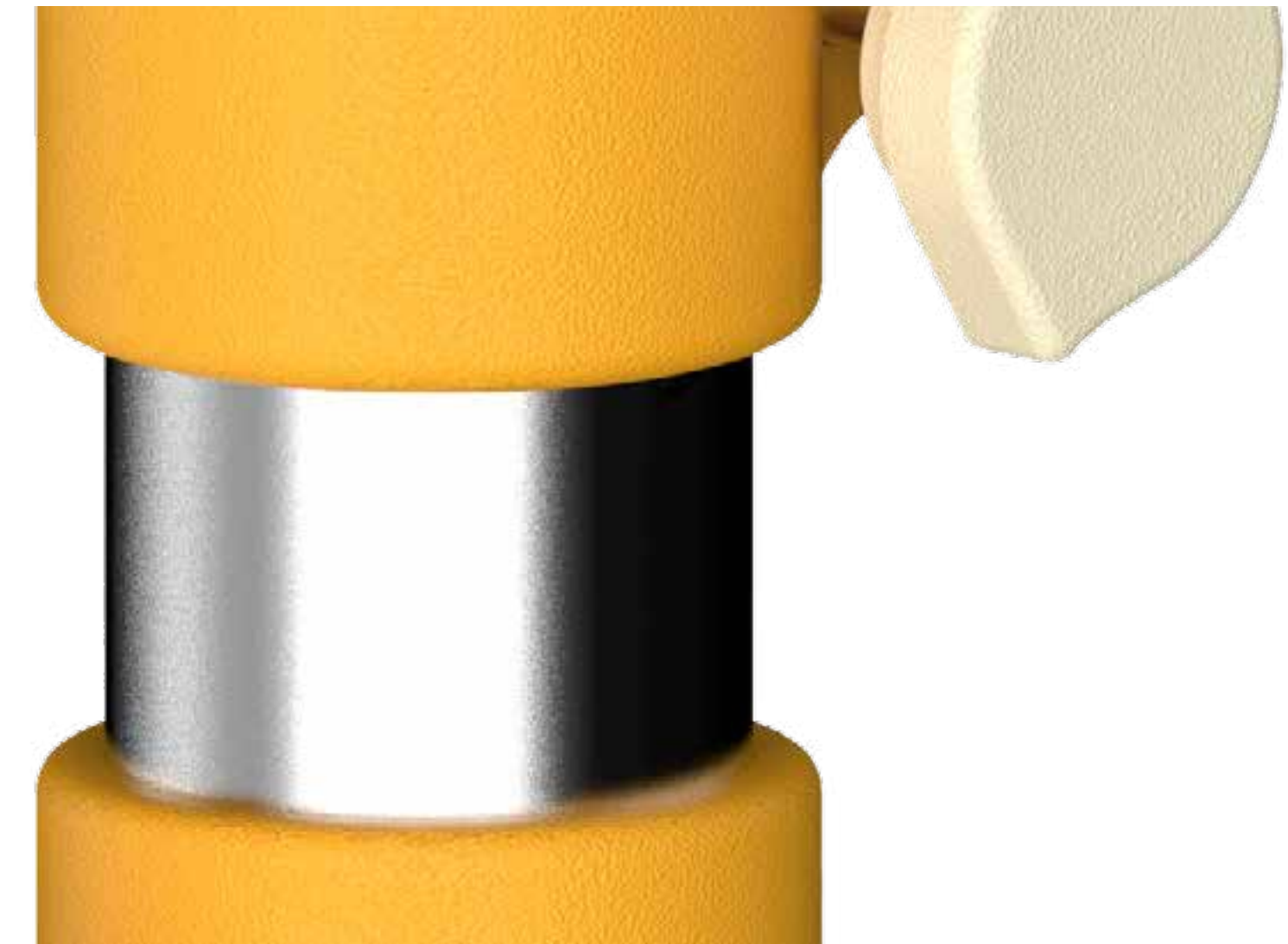
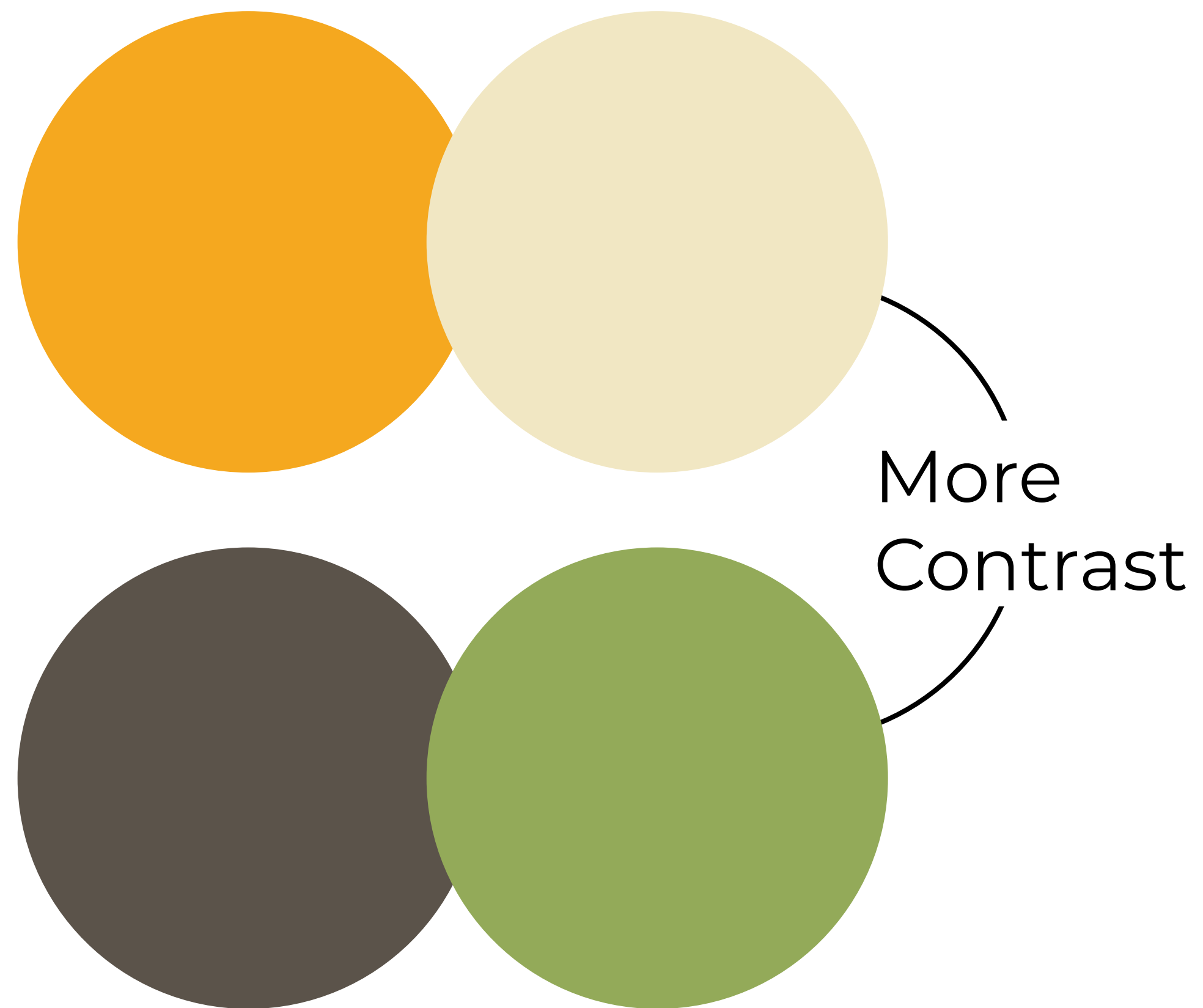
**Left:  
Leaf  
Shape**



**Adjusting (Focuser)**

# Material

Mimicking the colors of flowers and fruits.



Powdercoated aluminum parts.  
Lightweight, Strong  
Rust-proof, Durable