

# PORTFOLIO 2021

PiYush Vishwakarma || Industrial design





HI

Hi! I'm

PiYush Vishwakarma.

I'm a Product design student, My interest lies in understanding the concepts at a more basic level and develop ideas / thoughts that take a holistic approach and improve user experiences. Imagine the future and be relevant to the context is something that interests me.

THERE

# Tri-lector

THREE STEP CABLE COLLECTOR

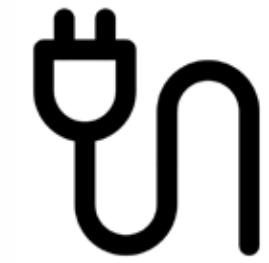
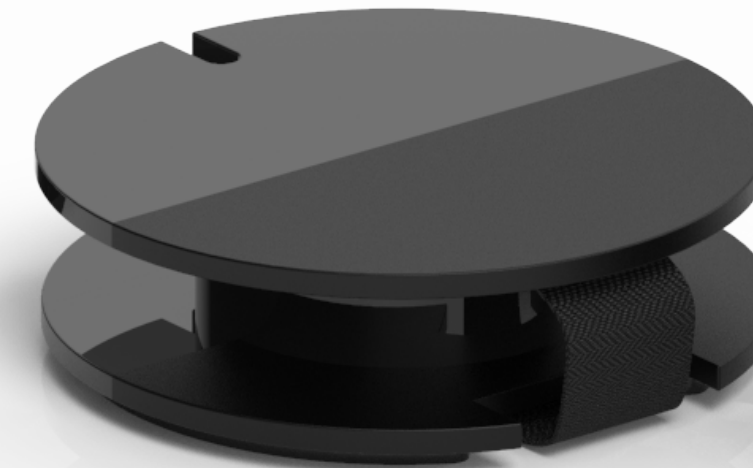
Product for moveable cables which help to carry and manage cables on any working place



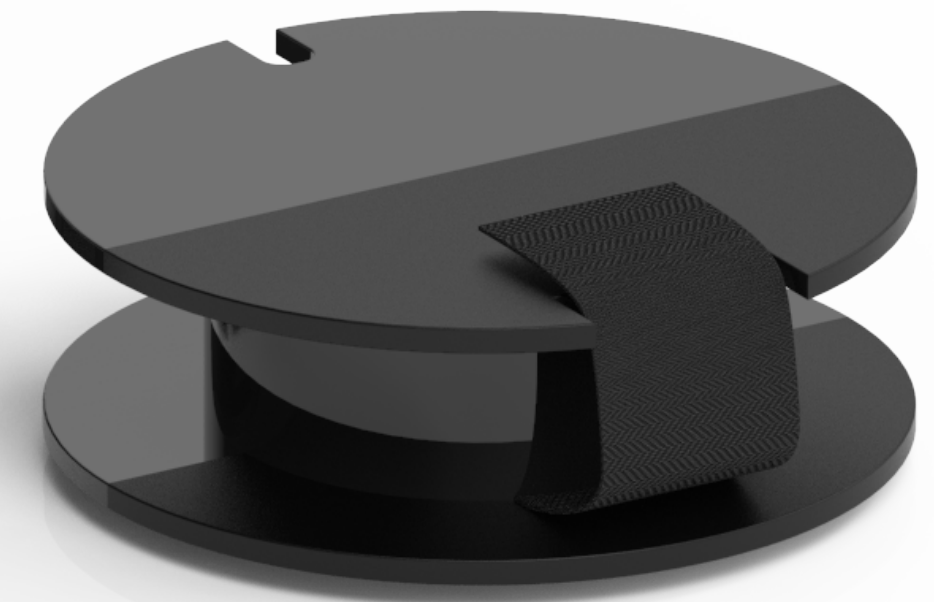
Earphone



Usb cables



Power cable



### Area of Concern

The use of electrical wired devices in the study work place has grown significant in recent times. It means so many cables on study and working place. when Look behind any desk and you'll likely see a rat's nest of power and data cables for USB-connected drives etc

Suction Cup





Compact and stackable design

Magnets

Velcro

Suction Cup  
It help product not to move when it attached to the surface

Each part has different size for different cables and they are attached with magnets



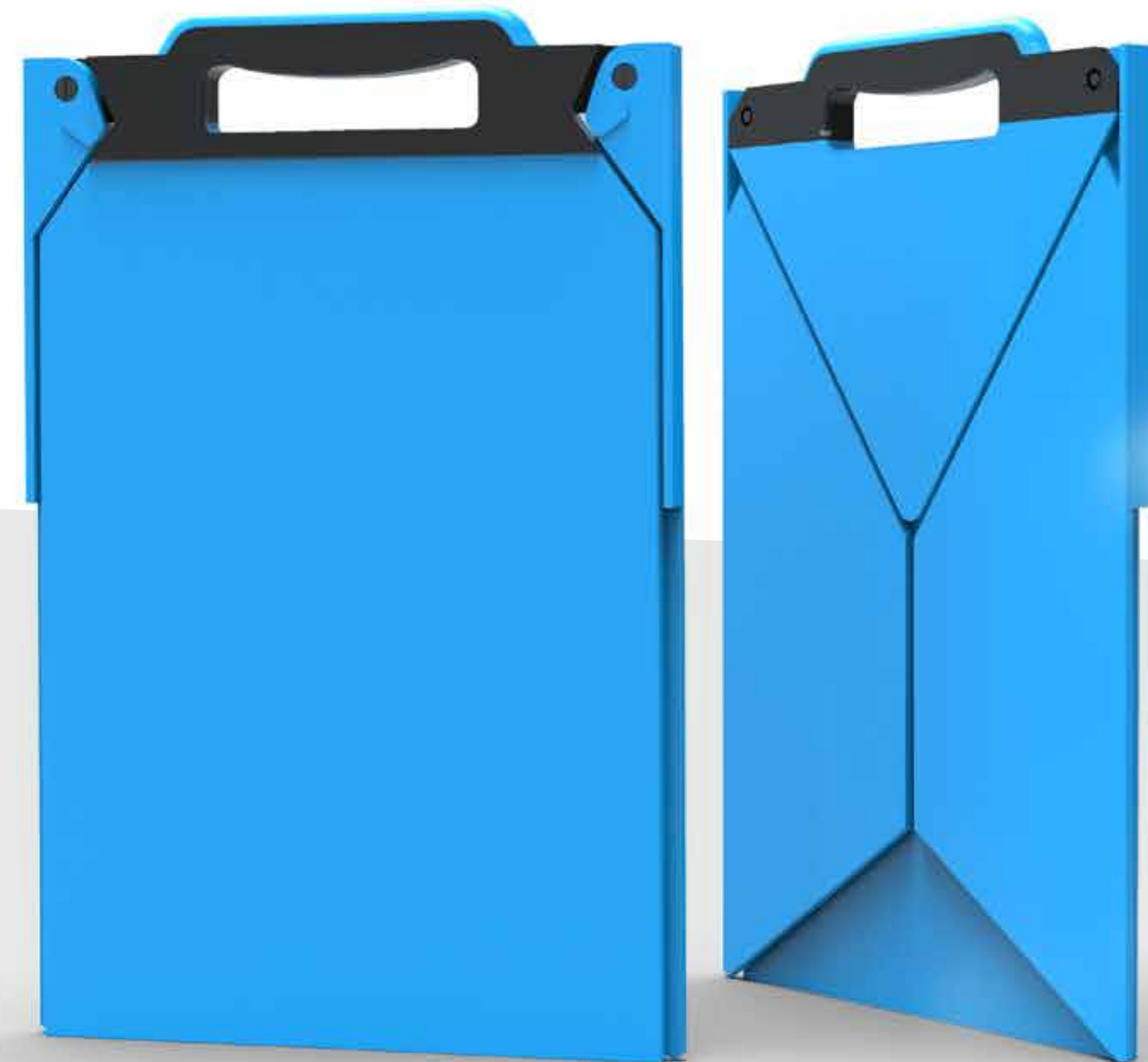


For more Information- <https://www.piyushvishwakarma.com/trilector>

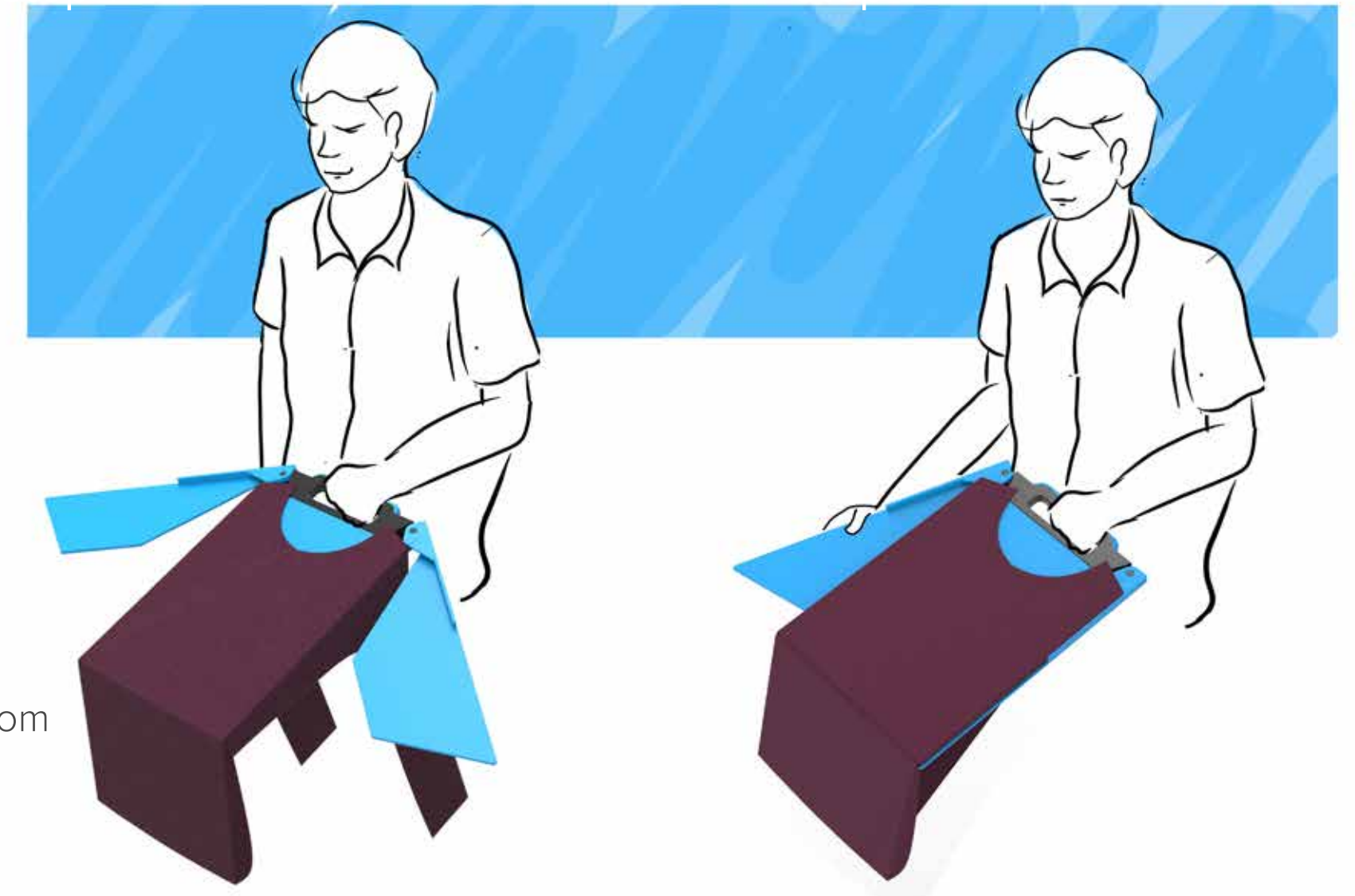


# Clothes Folding board

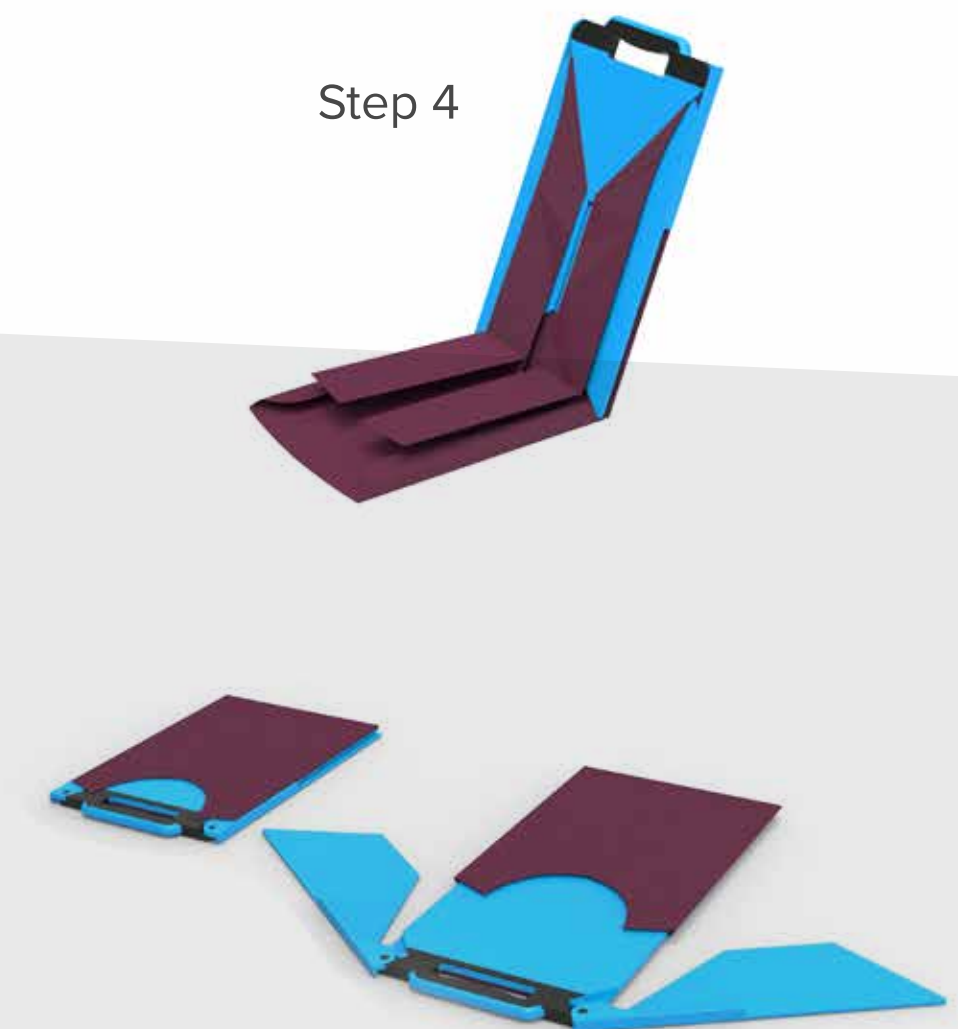
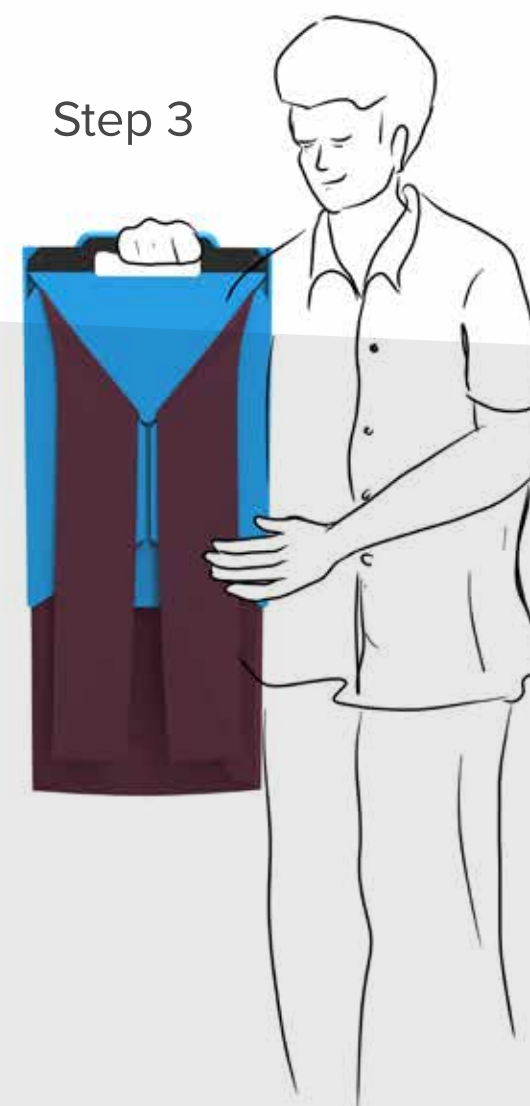
- A manually clothes folding device for the students who lives in hostels and find problem in folding clothes.
- The product will help them to fold clothes easily and fast way.
- They can also carry that product with them while traveling to other places.



- Place the shirt on the product and close the side flaps



- Hold it vertical first to make sleeve straight then fold it from the centre and take the product out..





# Problem Area



Looking at the most common issue faced my Student while living in hostel is about their clothes. They have lots of clothes with varieties of clothes. Because of less time and busy schedules its so difficult to arrange clothes and fold them.



Even while traveling back to home or coming from home its important to arrange clothes and pack them properly .



- Average time taken by teenagers to fold - About 15 % of space not used if clothes were not fold uniformly in bags



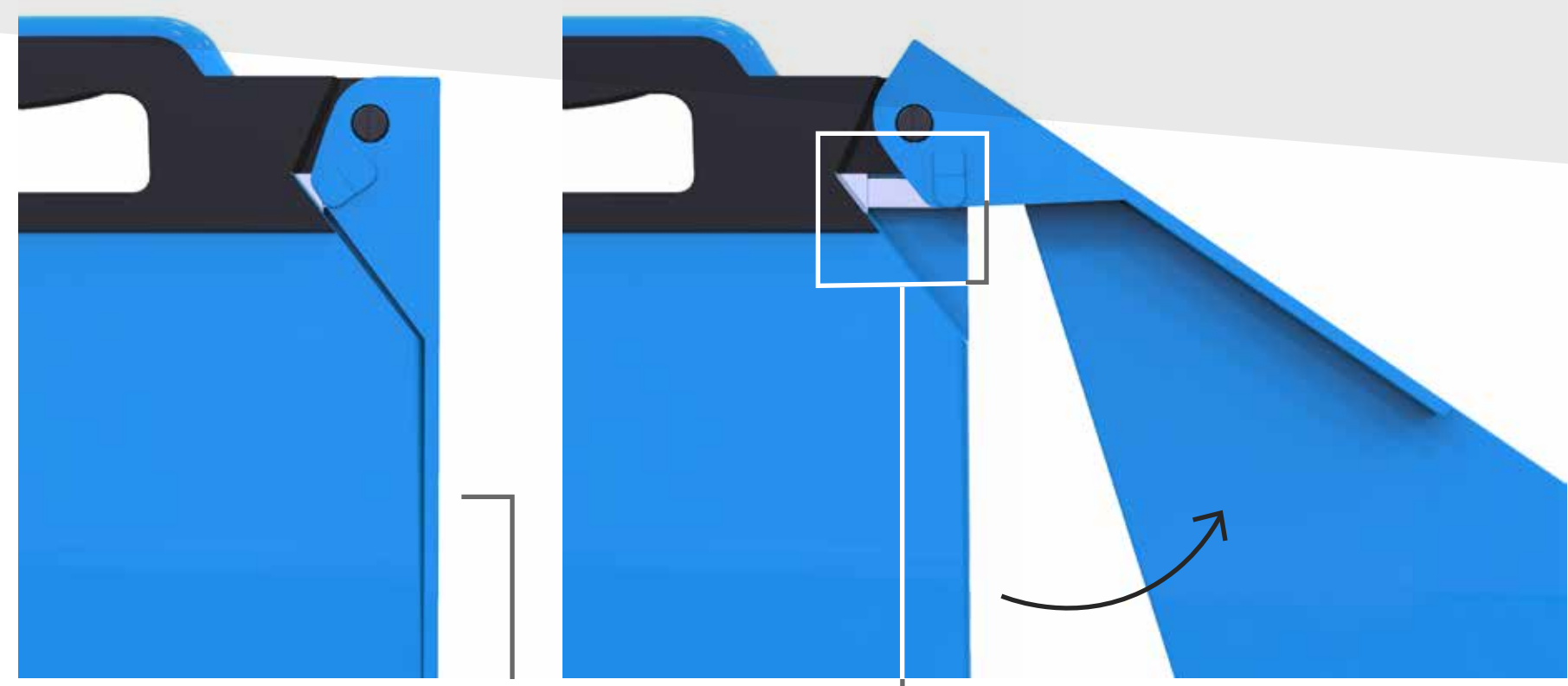
Shirt  
.....  
25-30 sec



T -Shirt  
.....  
20-25 sec

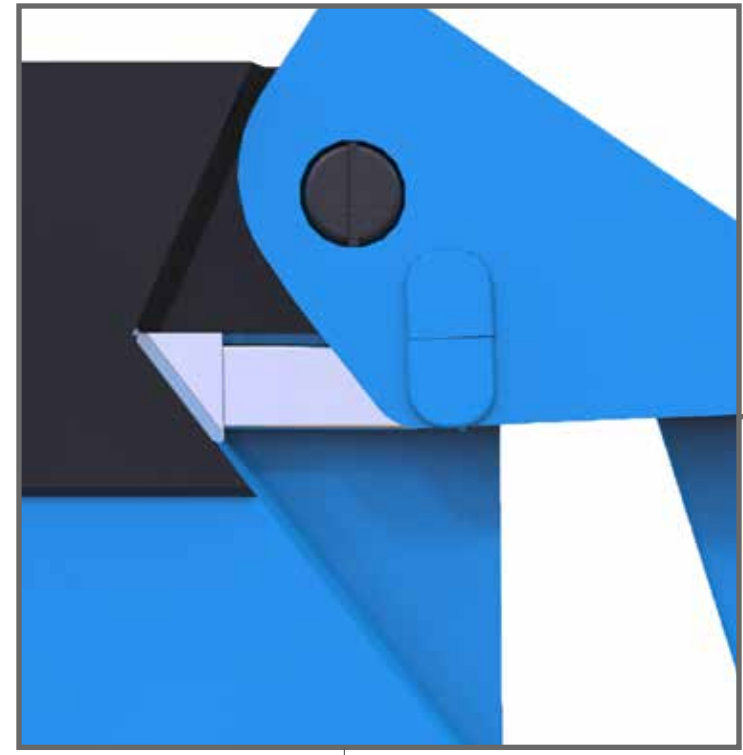
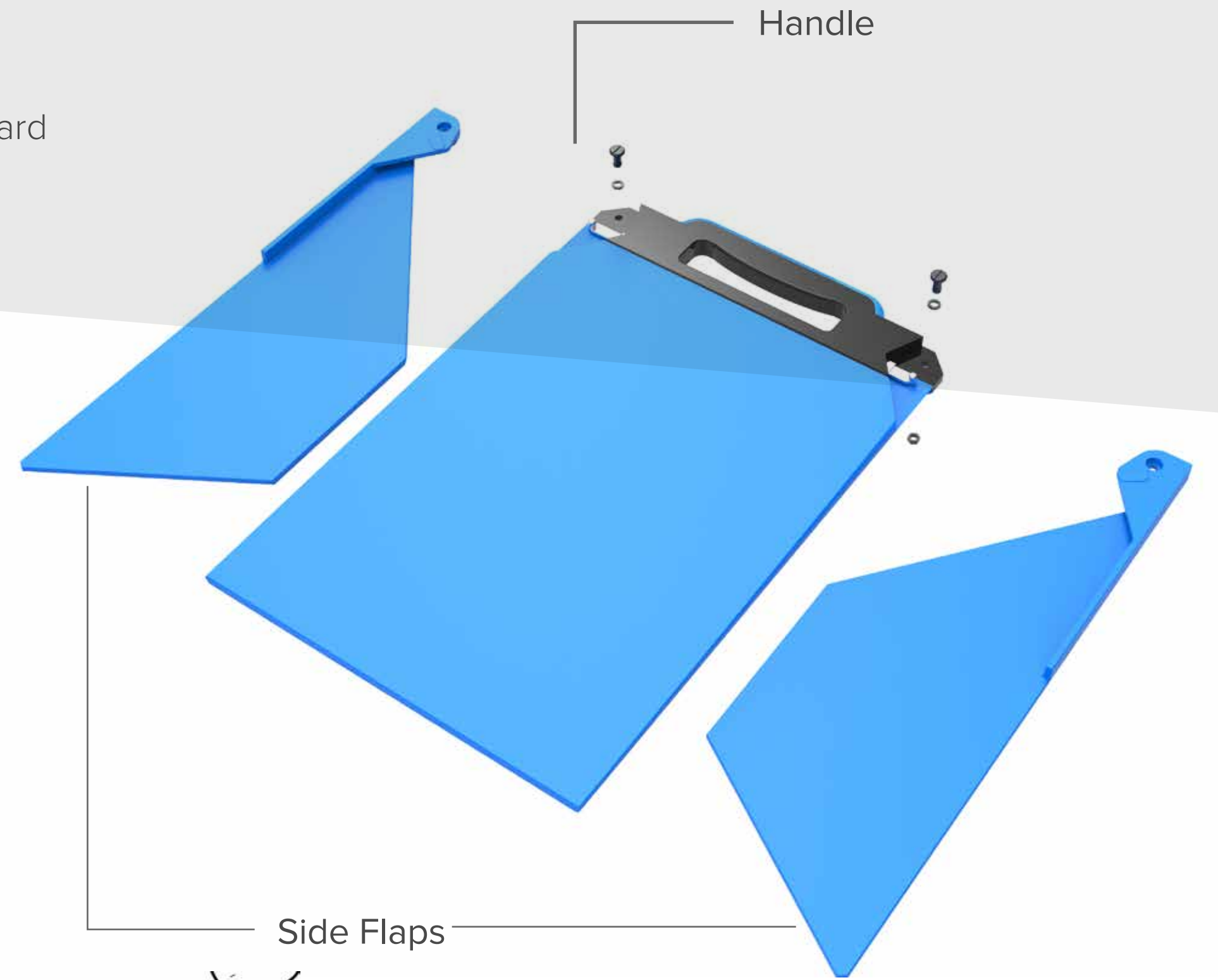






Press to Open

- The product has three main parts middle board with handle and two flaps on side.



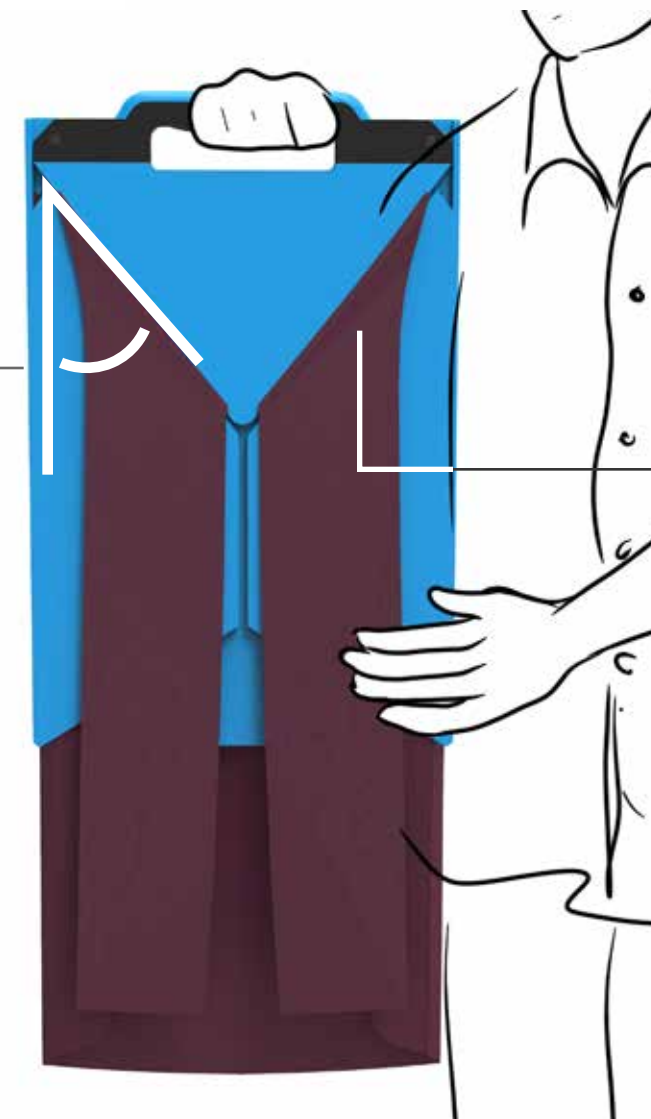
- Each flap Connected with pivot joint and connected mechanism ' tap to open' this also hold the cloth when the product hold vertically.



Tap to open slider

Sleeve Angle

- Folding a shirt or t shirt its necessary to keep Sleeves straight and on certain angle , The folding board has a average sleeves angle for S - L sized T-shirt / Shirt





Portable Mini Vacuum Cleaner

# Keyner

It's easy to think, "it's just a little dust" However, one should note dust is a silent killer, especially when it comes to electronic devices.

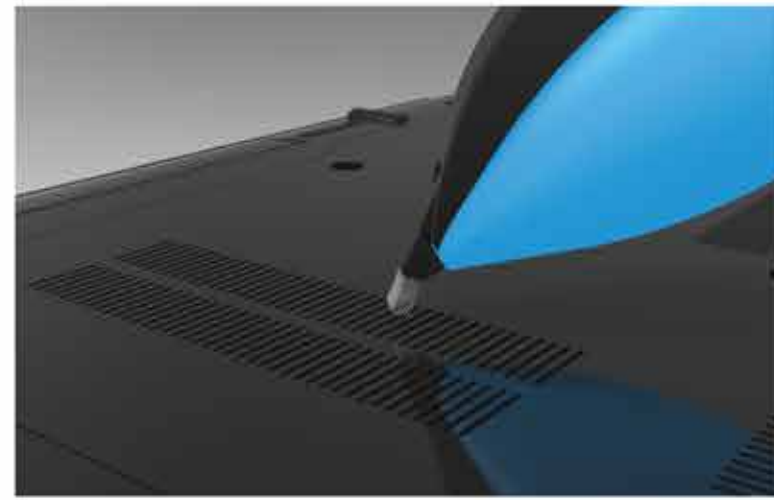
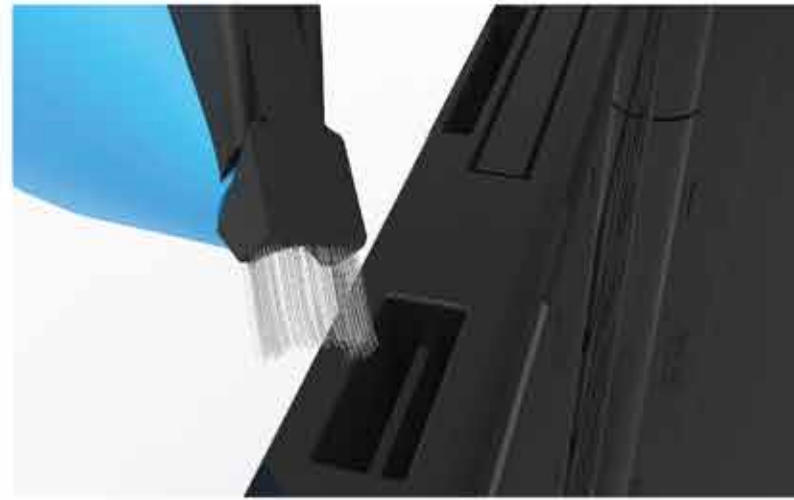
Some time we clean it, but is that a deep cleaning, what about the hidden dust in your laptops keyboards, laptop ports, speakers etc. Dust particles in between the keyboard keys while using laptop and many had faced dust problem in expensive electronic products.

Keyner is designed to remove small particle dust from electronic product.





Make your Laptops , Speakers and other electronic products DUST FREE



Adjustable brushes for oily and sticky dust





For more Information- <https://www.piyushvishwakarma.com/keyner>

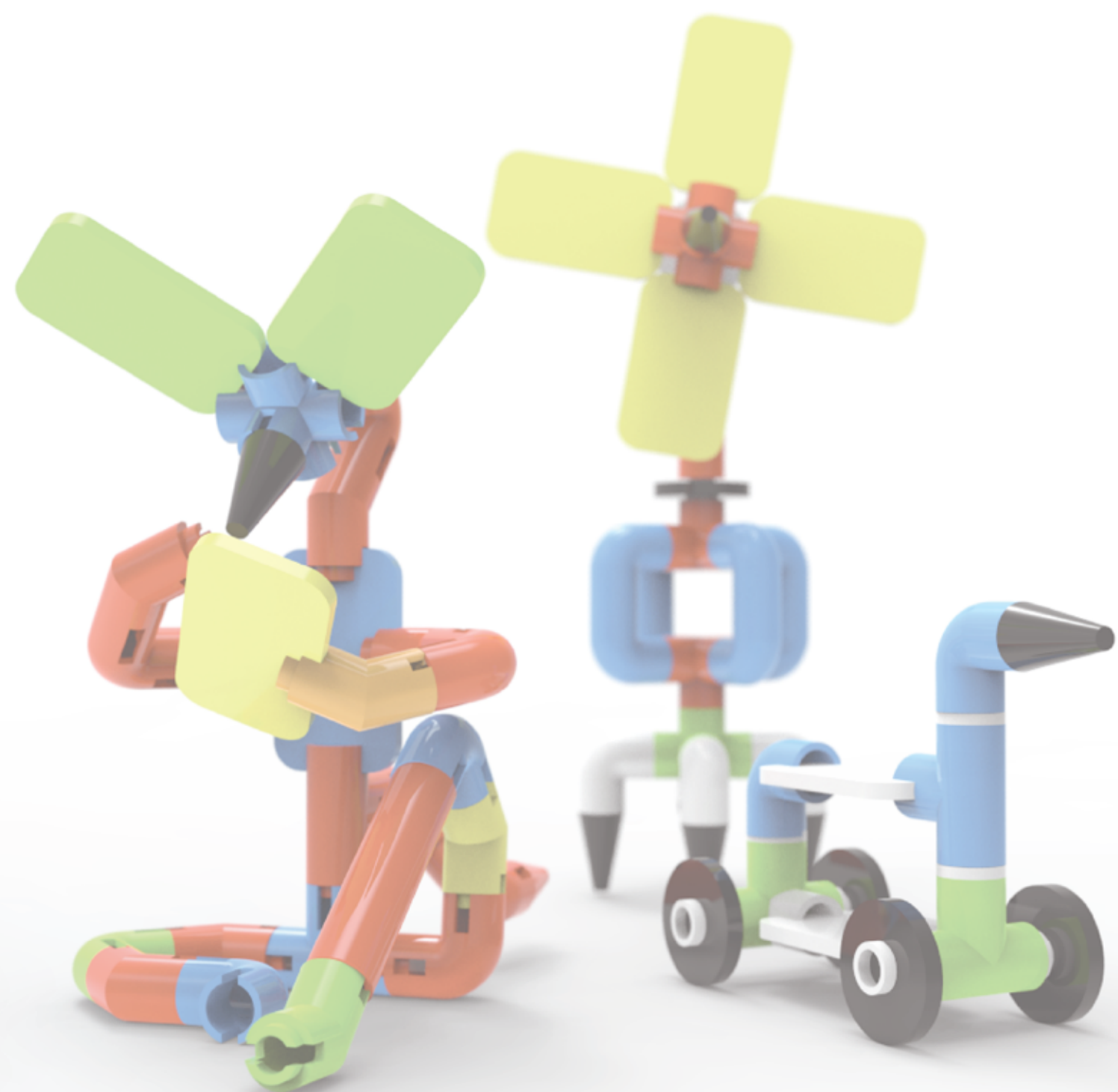
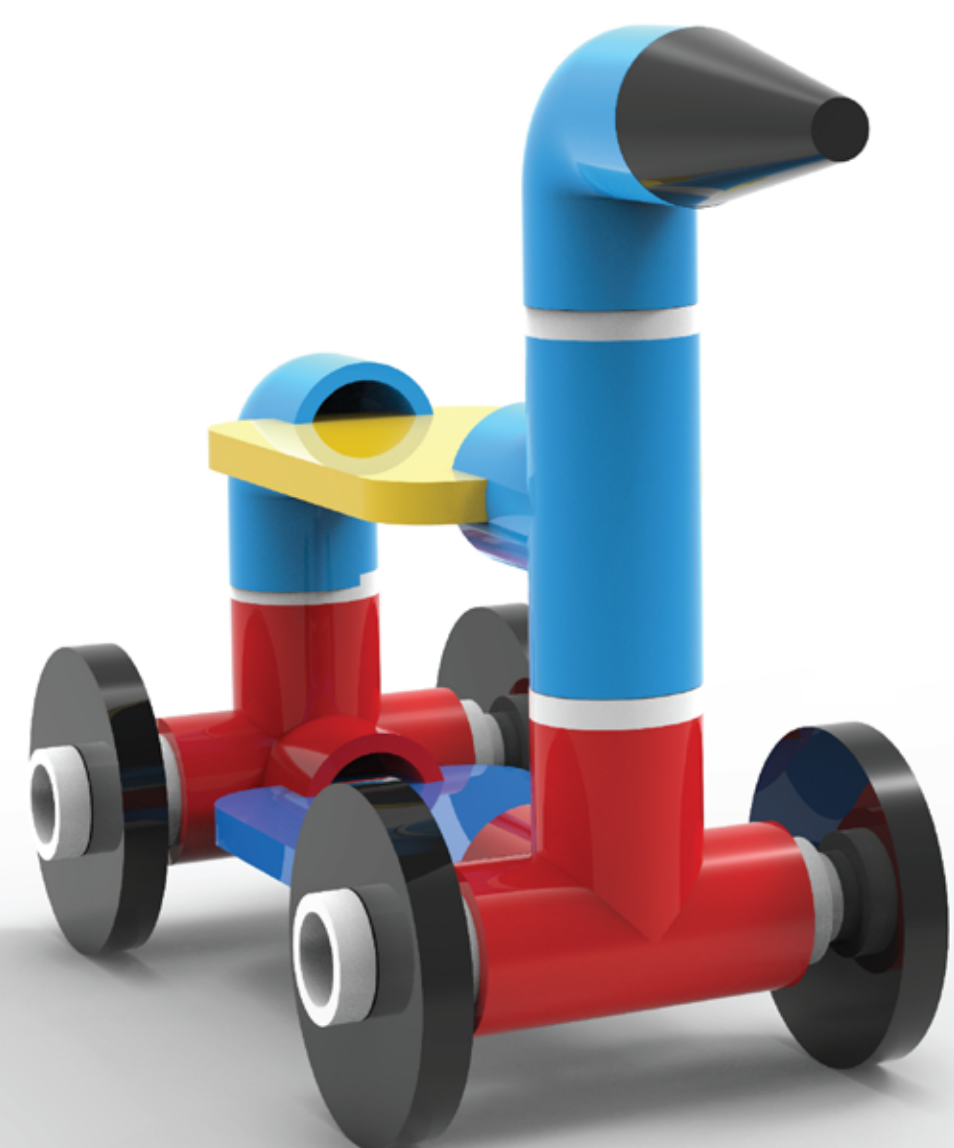


# Building Pipes

## Toy for 6 to 9 year children

The building pipes toys is meant with difficult and distinctive joints that are inspired from the regular pipe joints. The toys can ignite youngsters' imagination by letting them assemble this playset to create several potential outcomes. The toy will facilitate the development of youngsters' fine motor muscles and one of the foremost vital development of their hand-eye coordination.

Between the ages of six and nine, kids are simply getting down to placing things together, and hand-eye coordination which continuously helps them in the future.



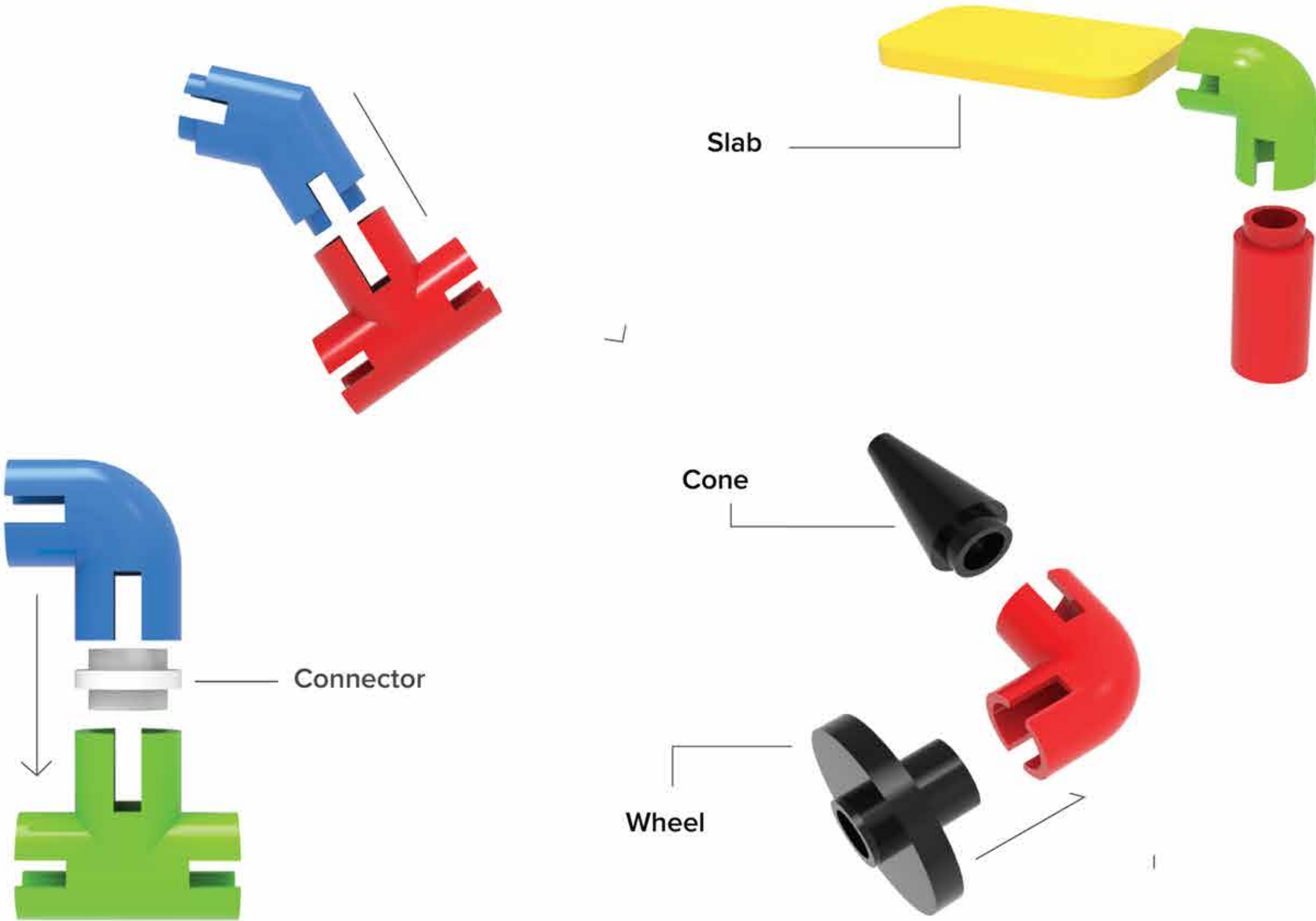
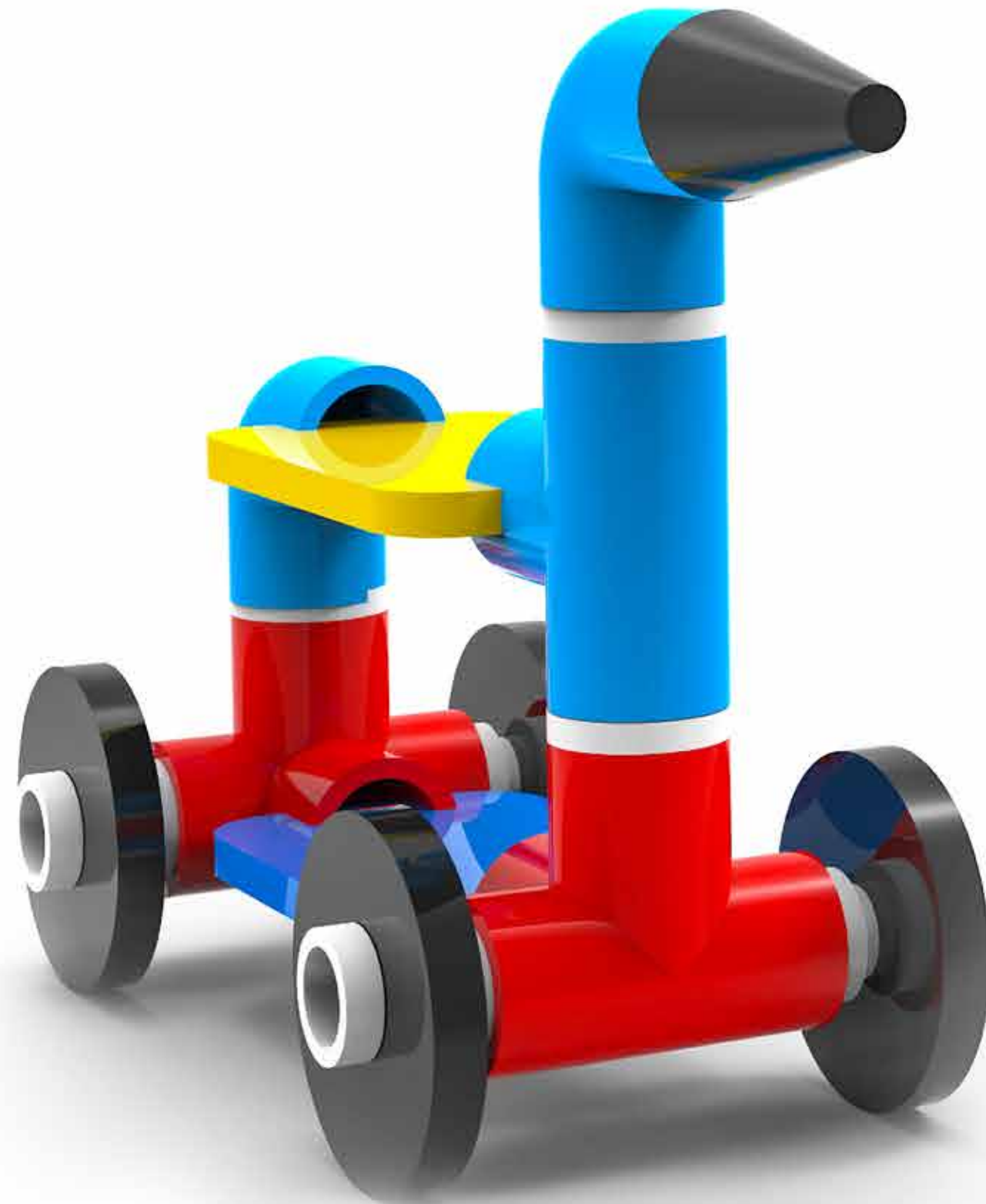
The toys will have 13 unique parts and one connector. Every part has 7 repeating units with four colors: red, blue, yellow, and green. The connector is white, and the wheels and cone are black.

There are more than 15 different joiners possible. However, it depends on the child's creativity.



# Basic Joints

Four different types joints , where a child can create multiple joints out of these common one.



## Wheels as a connectors

In case of less connectors, wheels itself can be used as four connector







# Thank You



[piyushvishwakarma444@gmail.com](mailto:piyushvishwakarma444@gmail.com)



9165424390



[ll.\\_piyush.\\_ll](https://www.instagram.com/ll._piyush._ll)

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[piyushvishwakarma.com](http://piyushvishwakarma.com)