



Универзитет Св. “Кирил и Методиј”  
Машински факултет – Скопје



Одбрани проекти по предметот:

# ПРОИЗВОДИ ОД ПЛАСТИКА

Учебна година:  
2015-2016

Предметен наставник: Доц. д-р. Иле Мирчески

**Проект бр. 1:**  
**ИЗРАБОТКА НА КАЛАПНО ГНЕЗДО**



"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Student: Ena Milanovikj  
Course: Design with plastics  
Leared: Tatjana Kandikjan, Ph.D.  
Ass. Ile Mirceski, M.Sc.  
School year: 2014/2015

# Core and cavity



Part of Hair Dryer

Стефан Маринковиќ



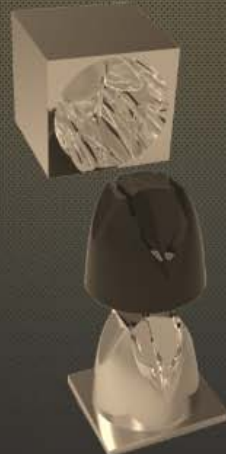
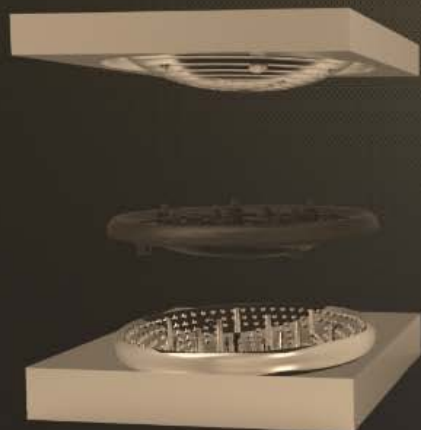
BOTTLE HEAD

Никола Кристиќ

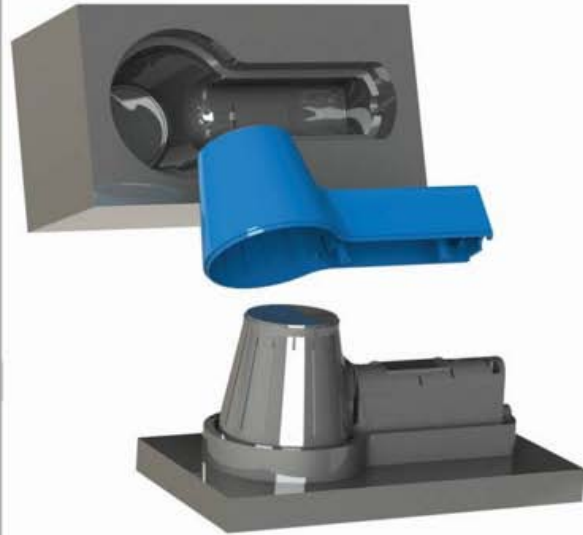


Remote controller

Велко Несторовски



# CORE & CAVITY DESIGN



**Hair Dryer**



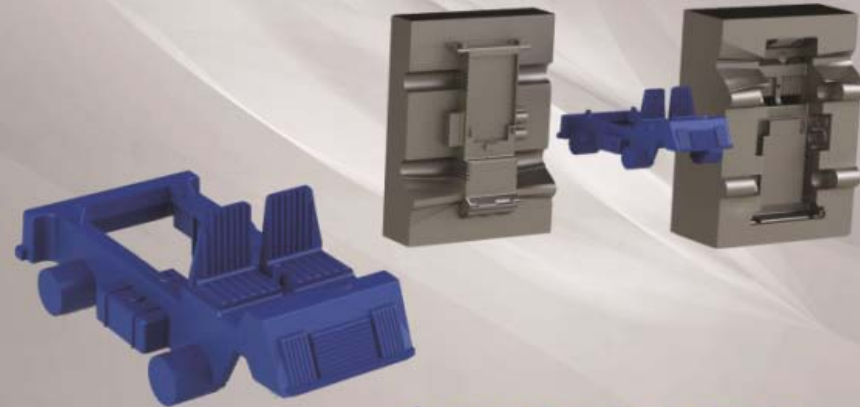
**Handle**



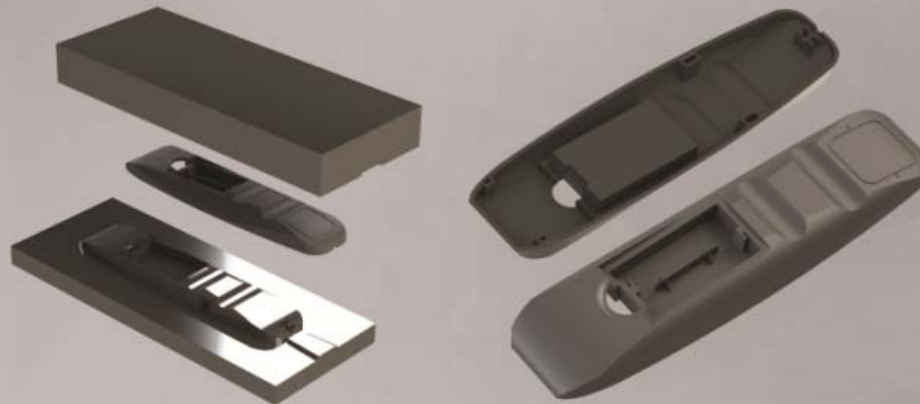
**TV Remote**



# Core & Cavity Design

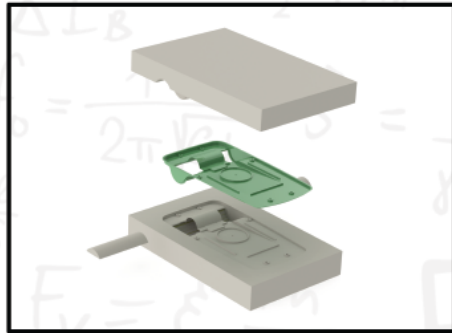


*Core and cavity design for  
remote control and car toy*

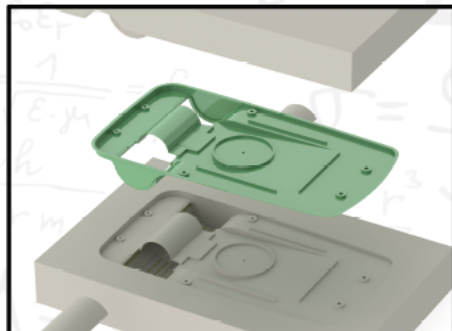
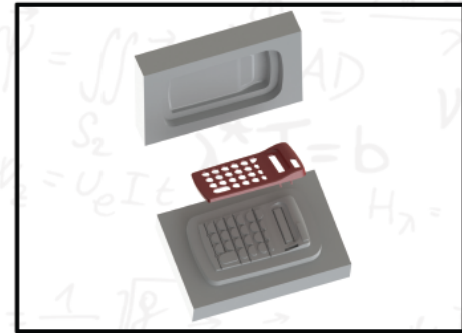


# + - + - + CALCULATOR MOLD DESIGN + - + - +

MOLD FOR STANDARD CALCULATOR



X=?



Y=?



"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Students: Milan Tasevski and Stefanija Naskova  
Course: Design with Plastics  
Leader: Prof. Dr. Ile Mircheski  
School Year: 2015/2016



# PLASTIC MOLD DESIGN

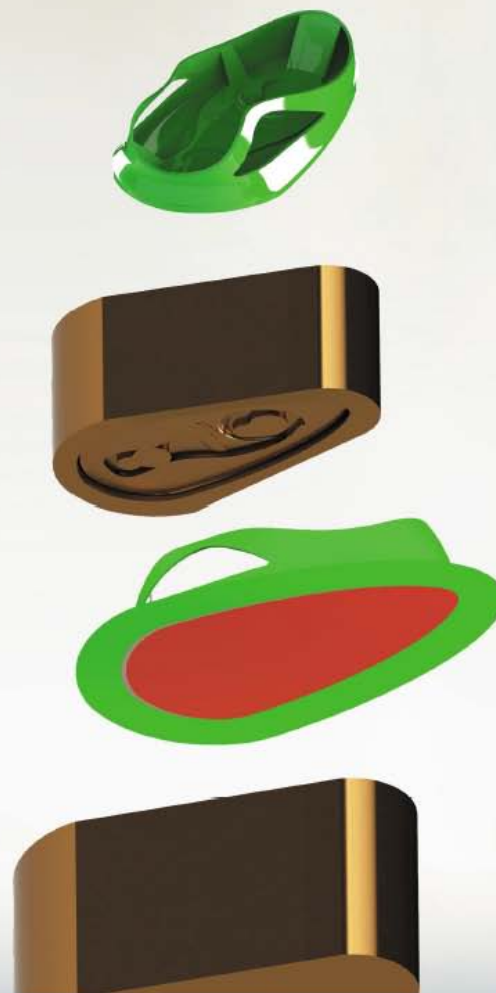




# Molds Design



Design on plastics  
products and their  
molds



# CORE AND CAVITY DESIGN

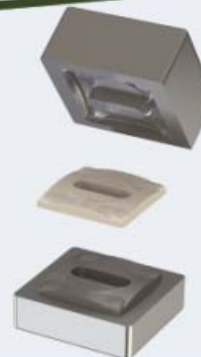
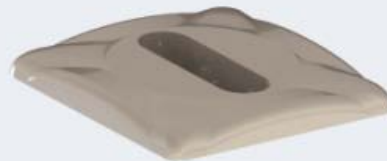
Phone case



Speakers

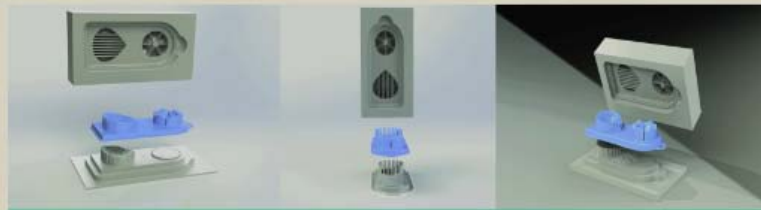
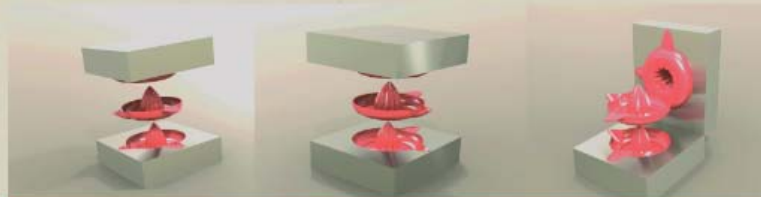


Wall socket

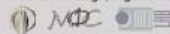


# Bla bla blu

najdobrite kalapi vo cel mashinski



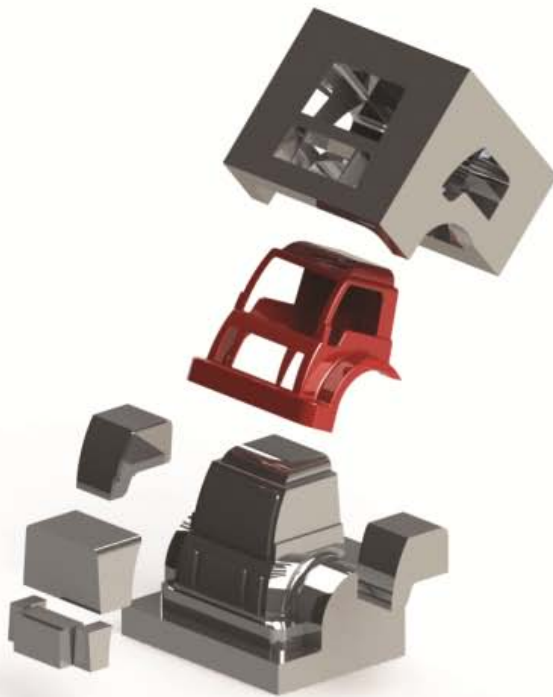
"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Students: Mladen J. , Petar A. , Ivana J.  
Course: Design with Plastics  
Leader: Prof. Dr. Tatjana Kandikjan/ass. doc. Ili Mirceski  
School Year: 2014/2015

# PLASTIC MOLD DESIGN

*Core and cavity*



Toy Truck Cabin



Hair Dryer



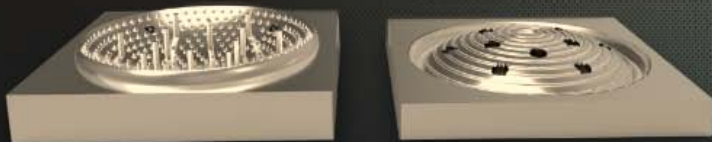
Clock Standig Base



# Core and cavity



## Part of Hair Dryer



## Remote controller

**Проект Бр. 2**  
**ДИЗАЈН НА СТОЛЧЕ**



# Violet



- suitable for home and office
- simple and modern design
- comfortable





# Missy

Plastic chair



A plastic chair with metal frame that can provide comfort and elegance.



Unda

Lounge  
Chair



inspired by  
the elegance

of waves  
provides you

an ultimate  
experience

everytime you  
sit on it



# Lime chair



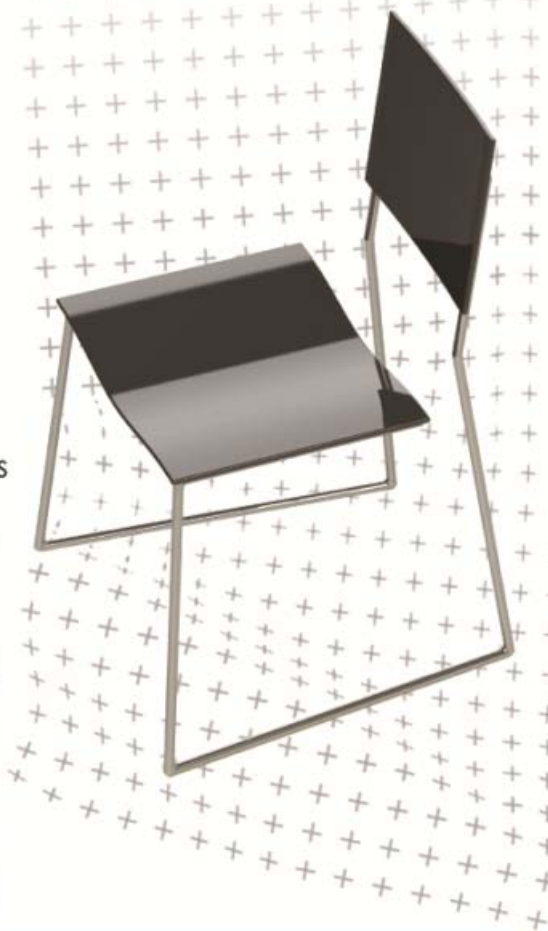
A product of great design, an orthopedic high quality plastic chair with great support for relaxation and comfort.



# NM CHAIR



Minimalist design  
with simple primary forms  
and graceful  
and stylish appearance



PEN DESIGN'S

# IVY CHAIR

made from high density polyethylene and titanium



**modern design**

**recyclable**

**ergonomic**



"Ss. Cyril and Methodius" University  
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Industrial Design, Ergonomics and Applications Lab



**Student:** Velko Nestorovski  
**Course:** Plastic products design  
**Leader:** . Dr. Ilie Mircheski  
**School Year:** 2015/2016



# Curved tulip

enjoy your coffee  
or finish your work,  
with this simple chair  
in your home or cafeteria.



# Christmas Spirit

## Bar chair



Modern chair that will lift up  
your holiday spirit and  
give you comfort and joy.





# MARTINI

## Bar chair

Ergonomic bar chair that gives you elegant feeling. Its made with high quality and sophisticated design that provide comfortable ambience.



Comfortable

Luxury

Modern



Material: Plastic  
and Aluminium  
Inspiration: Martini  
alcohol drink



# AHRI CHAIR

*Elegant comfort through ergonomic design.*



"Ss. Cyril and Methodius" University  
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Industrial Design, Ergonomics and Applications Lab



Student: Stefaniya Naskova  
Course: Design with Plastics  
Leader: Prof. Ilie Mirchevski  
School Year: 2015/2016

# SONNA CHAIR

YOUR RESTING STATION



**Ergonomic comfort**  
**Smooth geometry**  
**Easy assembly**



# LUMBALES CHAIR





# PINURA



SIMPLE  
ERGONOMIC  
ELEGANT



SAFE  
SUBTILY





# BUBBLE chair

Plastic chair with metal construction



A unique design that adds a touch of style to your interior. Bubble chair is inspired by the size of the pellet. It makes you feel comfortable and gives you peace. It is available in blue, white and pink.





# Kiwi Chair



Ergonomic  
comfortable  
plastic and  
stainless steel  
chair.



# ILUSION CHAIR



COMFORTABLE YET SOFISTICATED.  
ERGONOMIC YET MODERN.  
SUITS FOR AN OFFICE OR A CAFE



# Claire

Plastic Chair Design

Cast aluminum legs  
with transparent  
U.V. resistant seat



Designed for outdoor  
or indoor use.



"Ss. Cyril and Methodius" University  
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Industrial Design, Ergonomics and Applications Lab

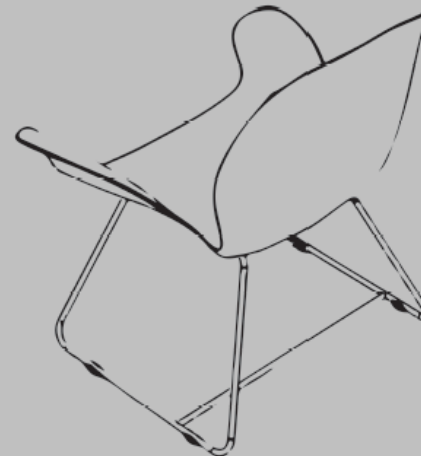


Skopje 2015

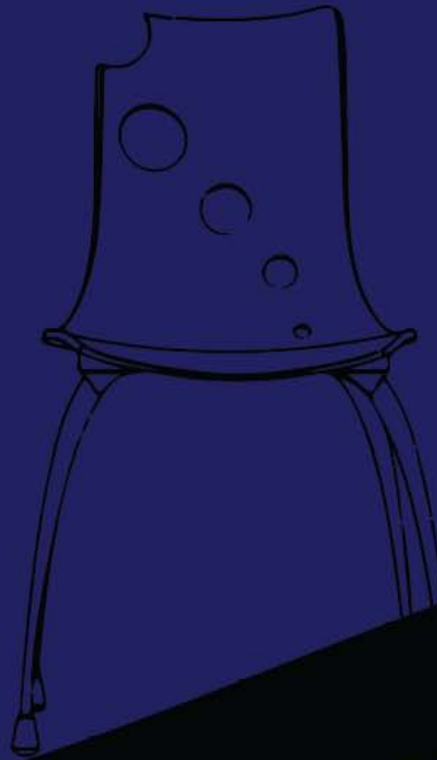
Student: Angela Laboska  
Course: Design with Plastics  
Leader: Doc. Dr. Ilie Mirceski  
School Year: 2015/2016

# Campione Chair

*Passion for sophistication*



# THE CROP CIRCLE CHAIR



*Design inspired by crop circles or crop formations, a mysterious patterns created all over the world by flattening a crop.*





# *Unique Kiss*

*ergonomic  
modern  
comfortable  
stylish*



## Circular chair

This chair is design of plastic on the upper part and metal construction on the bottom. She is quite comfortable and can be used anywhere.





# SVAGO

## Plastic Chair Design

- Ergonomic plastic chair made for rest and relaxation but also comfortable sitting for the office or your home.
- The design style is Italian neorationalism with an accent in ergonomics.
- Manufactured with injection molding technology from a high grade recyclable material.
- Features lightweight aluminium frame and durable fastening.
- Can be made in custom colors.



# FLAVO CHAIR

MODERN PLASTIC CHAIR WITH GEOMETRIC METAL FRAME

FLAVO CHAIR IS A SIMPLE AND MODERN DESIGN  
SUITABLE IN EVERY ENVIRONMENT  
AND GIVES YOU THE POSSIBILITY TO SIT IN COMFORTABLE WAY



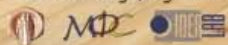
# FLAMINGO CHAIR

YOUR COMFORT COMES FIRST

+ ERGONOMIC  
+ QUALITY BUILT  
+ TIMELESS DESIGN



"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Student: Andrej Cvetkovski  
Course: Design with Plastics  
Leader: Doc. Dr. Ilie Mirchevski  
School Year: 2015/2016

# DILOR CHAIR

Designed for every occasion



Plastic and steel chair, light and comfortable with multiple colour choice, easy fits indoor and outdoor, ergonomic shape



University Ss. Cyril and  
Methodius Skopje  
Faculty of mechanical engi-  
neering skopje

2015  
Skopje

Course: Plastic product design  
Mentor: dr. Ile Mirchevski  
Student: Darko Eftimov



# PLASTIC CHAIR

## Sea drop chair



Modern plastic chair  
design



Functional with elegant  
form of a sea drop





# PLASTIC CHAIR

## Burning Moon



Ergonomic shape for max comfort



Chair design suitable for everyday use

Metal construction for estatic value and support



# Design with Plastics

## Aquarius Chair

Views



Aquarius chair's elegant design and ergonomic form grants the user great comfort



Metal frame for stability



# Ziggy

plastic - metal chair

This chair is made from plastic and metal.  
It is ergonomic, comfortable and suitable  
for home and office.





# Futuristic Chair

This chair is designed for office,  
banks, also we can use this chair for relax



# Ginko Chair

Delicate as the leaf

Elegant design with a longevity  
as it's inspiration, bringing you  
close to nature.



"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Student: Andrej Pavlov  
Course: Design with Plastics  
Leader: doc.dr. Ile Mircheski  
School Year: 2015/2016



# LeMOND Chair

**Luxury and ergonomic design that brings you pleasure**

Inspired by De Stijl, LeMOND chair is perfect combination of metal and plastic providing comfort and practicality. This simple design will fit perfectly in your home or office.



**FRONT VIEW**



**LEG ATTACHMENT**



**SIDE VIEW**



# Contrast Chair

Plastic chair with metal frame design



The minimalist, stripped down design is inspired by the contrast between the materials used. The chair features a contrast of form, the flowing, sleek plastic seat against the severe, geometric metal frame. The joining of the parts is done with four self-tapping screws, with ribs providing the necessary sturdiness.



# JORI

*Plastic chair design*



"Ss. Cyril and Methodius" University  
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Skopje 2015

Student: Anastasija Cvikarska  
Course: Design with Plastics  
Leader: Doc. Dr. Ilie Mircheski  
School Year: 2015/2016

# THE WI-FI CHAIR



CONNECT WITH  
RELAXATION



FROM  
OTHER  
ANGLE



# LEAF

## COMFORT CHAIR

INTERIOR DESIGN

ENJOY YOUR DAY

MODERN





# Irreg lounge chair

Plastic chair with a wire frame legs

The Irreg lounge chair is made with molded plastic that gives simple, yet modern design, suitable in every environment.



# The Corner Chair

## Chair Redesign

Ergonomic

Fresh design

Eco Friendly



# Playful Cloud Chair

Inspired by "Love Street" Vane Kosturanov



An unassuming take on the everyday side chair-nice lines, great materials and a form that's comfortable in any space.



"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Student: Aleksandra Aleksovska  
Course: Design with Plastics  
Leader: Doc.dr. Ilie Mircheski  
School Year: 2015/2016

# Spider Chair

Chair design



*ergonomic desing  
comfortable seating position  
modern and simple*

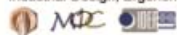


# Half Moon

Plastic and Metal Chair



"Ss. Cyril and Methodius" University  
Faculty of Mechanical Engineering  
Industrial Design, Ergonomics and Applications Lab



Student: Mile Despotoski  
Course: Plastic Product Design  
Leader: Doc. Dr. Ilie Mircheski  
School Year: 2015/2016



# Eames Plastic Chair

with Steel Dowel Legs

Works great in small spaces. Throw sheep-skin over for texture and comfort

Moldable, sturdy and easy to clean — three qualities that come in mighty handy when it comes to dining chair

