

what is

S.C.A.M.P.E.R?

?



S.C.A.M.P.E.R

is a thinking strategy!  
It helps you think of many  
new ideas, and it's very  
easy to learn!

S.

C.

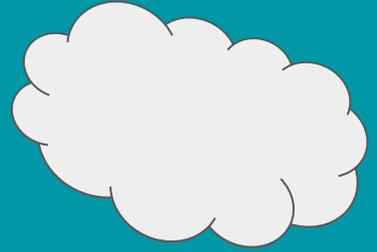
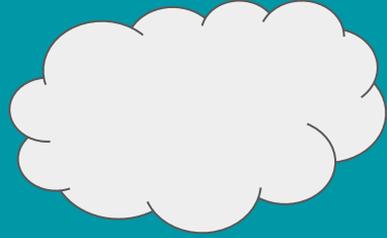
A.

M.

P.

E.

R.



Each letter stands for  
a different word. These  
words help you think of  
new ideas!

You can use this thinking strategy to come up with new ideas for objects, ways of doing things, or almost anything!



Let's try it!

Let's first pick an  
object or idea to  
S.C.A.M.P.E.R.!



Hmmm...  
anything?

How about a  
**CHAIR?**

Okay, let's use

**S.C.A.M.P.E.R**

to think of new ideas  
for a chair!

The **S** in

**S**.**C**.**A**.**M**.**P**.**E**.**R**

stands for

**SUBSTITUTE**

To substitute means to “take the place of” or  
“to put something else in its place.”



...like a  
**SUBSTITUTE**  
*teacher* who  
takes the place  
of your regular  
teacher!

What could we **SUBSTITUTE** on a chair?

We could  
substitute  
something in  
place of  
the **legs!**



What could we **SUBSTITUTE** on a chair?

We could  
substitute  
something in  
place of  
the **seat!**



What could we **SUBSTITUTE** on a chair?

What could we  
**substitute** in  
place of  
the **back**?



What could we **SUBSTITUTE** for a chair?

Many things  
would work as  
a **substitute**  
for a chair!



The C in

S.C.A.M.P.E.R

stands for

COMBINE

what could be combined with a chair?

What could we **COMBINE** with a chair?



The A in

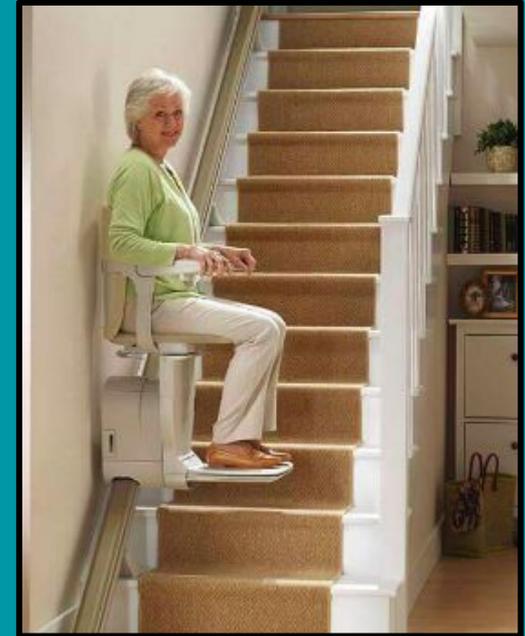
S.C.A.M.P.E.R

stands for

ADAPT

To adapt something means to think about how the object could be used or changed to work in a new situation.

How could we **ADAPT** a chair so that it works in a new situation?



The M in

S.C.A.M.P.E.R

stands for

MODIFY

To modify something means  
to change its form by making it bigger,  
smaller, or changing its shape.

How could we **MODIFY** a chair?

...make it bigger?



...or Smaller?



How else could we **MODIFY** a chair?



...make it  
taller?

...or  
shorter?



The P in

S.C.A.M.P.E.R

stands for

PUT TO OTHER USES

A chair is designed to be a seat.  
But could it be used as something else?

What **other uses** could a chair have?



The E in

S.C.A.M.P.E.R

stands for

ELIMINATE

To eliminate means to remove.  
What could be eliminated from a chair?

What could be **eliminated** from a chair?



The R in

S.C.A.M.P.E.R

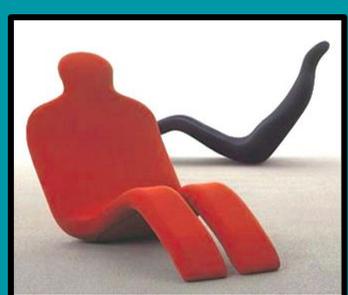
stands for

REARRANGE or REVERSE

Could the parts of a chair be  
arranged differently or reversed?

What could be rearranged on a chair?





**S.C.A.M.P.E.R**

helps us think of endless possibilities!  
what shall we **S.C.A.M.P.E.R.** next?

This presentation was adapted and extended  
from a free resource found at

**Big Ideas for Little Scholars**



RESOURCES for GIFTED  
& ADVANCED LEARNERS

More free resources available here

[BIGIDEAS4LITTLESCHOLARS.COM](http://BIGIDEAS4LITTLESCHOLARS.COM)

# Your Turn!

Now you try it by yourself. Use the S.C.A.M.P.E.R. creative thinking technique to change some items into brand new ideas. Use this worksheet to practice scampering. Remember that you DO NOT have to change your item in each of the ways. Choose the way that helps you come up with an idea you are proud of.

Name: \_\_\_\_\_

**S**ubstitute

**C**ombine

**A**dapt

**M**odify

**P**ut to other uses

**E**liminate

**R**earrange or reverse

Use the S.C.A.M.P.E.R. creative thinking technique to change one of the items below into a brand new idea. Remember that you DO NOT have to change it in each of the ways. Choose the way that helps you come up with an idea you are proud of. Circle the item you scampered. Draw a picture of your new idea in the space below. Write about your idea on the lines below.

A large, empty rounded rectangle intended for drawing a picture of a new idea.

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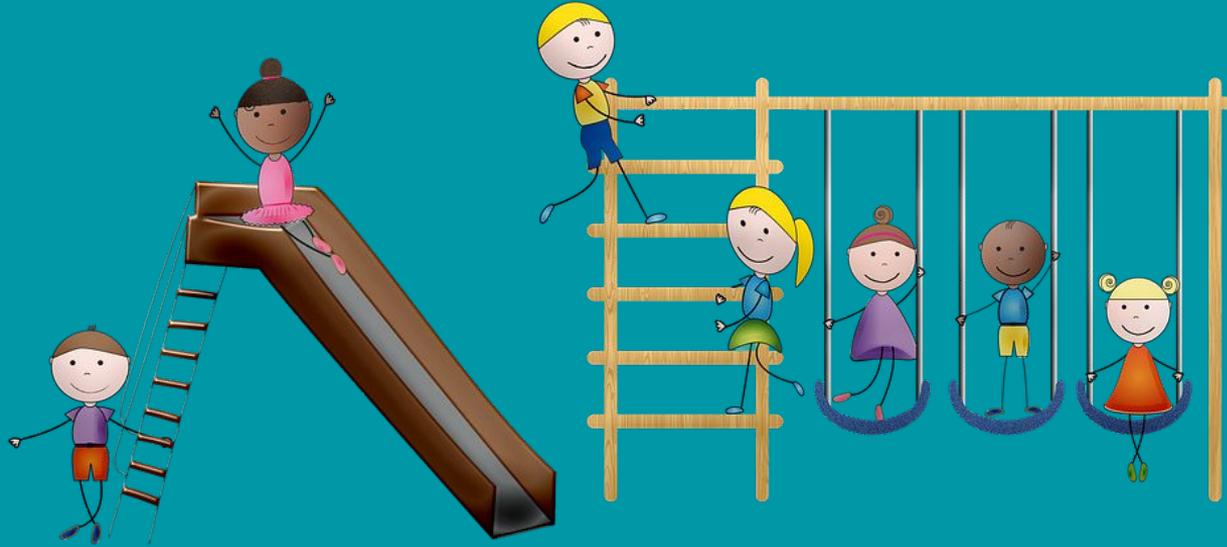
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Now let's take some time to think about something very important to most kids.



**PLAYGROUNDS!**

Let's do a little research.

I want to show you

Some creatively designed

playgrounds from

around the world.

In Japan  
you can  
bounce  
through  
a net  
forest!



PHOTOGRAPH BY JOHN LANDER, ALAMY STOCK PHOTO

You can  
climb an  
interactive  
sculpture  
in Missouri.



PHOTOGRAPH BY SERHII CHRUCKY, ALAMY STOCK PHOTO

You can get  
a giant's  
perspective  
among the  
skyscrapers  
of New York.



PHOTOGRAPH COURTESY D. JAMES DEE

You can set  
sail on a  
pirate ship  
inspired by  
Peter Pan in  
London.



You can  
enter other  
realms in  
Oklahoma.



PHOTOGRAPH COURTESY OLE BARSLUND NIELSEN, MONSTRUM

You can  
slide down  
Gulliver in  
Spain.



PHOTOGRAPH BY IURII BURIK, ALAMY STOCK PHOTO

You can  
scale a  
towering  
Godzilla in  
Japan.



You and your friends who use wheelchairs can whirl around together on this playground in Virginia.

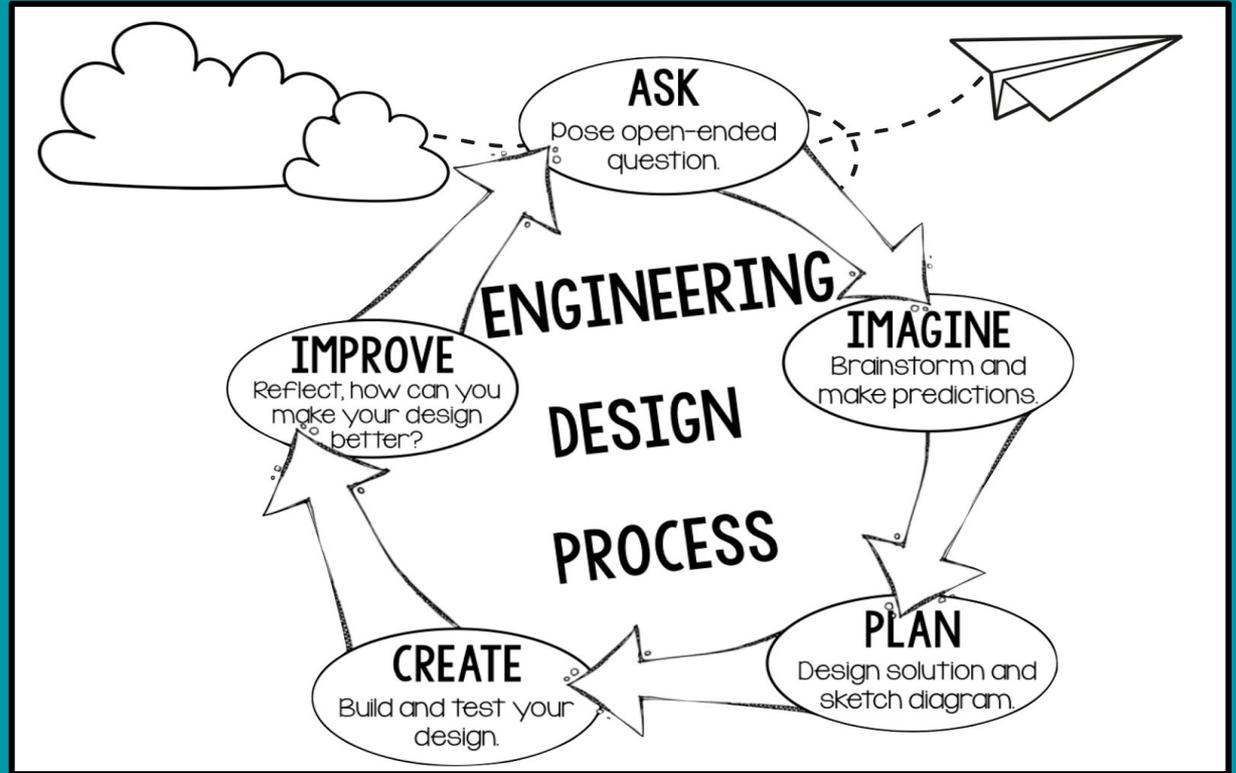


PHOTOGRAPH BY ALAMY STOCK PHOTO

I THINK YOU ARE READY FOR  
YOUR PROJECT NOW!

# Dream Playground Design Project

Today's project will be an engineering design challenge. You will get into a group and it will be your group's job to design a dream playground. You will use the engineering design process to create a paper model of your dream playground.



# Dream Playground Design Project

## Ask

What kind of playground do you want to design? Indoors? Outdoors? Who is it for? A specific aged child? A specific group of children? What kind of playground equipment do you want it to have?

## Imagine

What kind of theme could it have? What colors do you want to use? What will it look like?

## Plan

Use your planning paper to S.C.A.M.P.E.R some playground equipment with your group. Plan out your ideas together.

## Create

Construct the model of your group's dream playground.

## Improve

Reflect on your design. Write about it. Make changes as needed.

Name: \_\_\_\_\_

### Playground Design Plan

Now we will use the SCAMPER creative thinking technique to design a dream playground. Remember that you DO NOT have to use every single part of the SCAMPER process. Choose the ways that help your group come up with a playground design that you are proud of. In the boxes are some suggestions of playground equipment that you could scamp. Use this paper to plan out ideas with your group. Use the back of the paper if you need more room to draw or write.

**S**ubstitute  
**C**ombine  
**A**dapt  
**M**odify  
**P**ut to other uses  
**E**liminate  
**R**earrange or reverse

Name: \_\_\_\_\_

### Playground Design Model

Today's project will be an engineering design challenge. You will get into a group and it will be your group's job to design a dream playground. You will use the engineering design process to create a paper model of your dream playground.

**G**et along  
**R**espect others  
**O**h task  
**U**se quiet voices  
**P**articipate

**Directions:**

- Build your playground on top of your cardboard base.
- Imagine that the equipment should be the perfect size for a lego minifigure to play on.
- Make your playground equipment out of the paper and recyclable material your teacher provided.
- When you finish building the model, reflect on your work in the space below.

**Reflection:** Answer each of the following questions in a complete sentence.

- What are you most proud of about your playground?  
\_\_\_\_\_
- What was the most difficult part of this project?  
\_\_\_\_\_
- What was the best part of working with your group?  
\_\_\_\_\_
- What was the hardest part about working with your group?  
\_\_\_\_\_
- What would you change about your playground if you had more time to work on it?  
\_\_\_\_\_

# Dream Playground Design Project

## Directions

1. Plan out your design ideas with your group.
2. Build your playground on top of your cardboard base.
3. Imagine that the equipment is the perfect size for a lego minifigure to play on.
4. Make your playground equipment out of the paper and recyclable material your teacher provides.
5. When you finish building the model playground, reflect on your work by writing about it.

Follow these rules when you are working in a group!



**G**et along  
**R**espect others  
**O**n task  
**U**se quiet voices  
**P**articipate