

Welcome to:

Rockin' Robotics

Penny Cleaning

Day 5



INTRODUCTIONS!!



Which Coin is this?!



A DIME!

Which Coin is this?!



A QUARTER!

Which Coin is this?!



A NICKEL!

Which Coin is this?!



A PENNY!

Penny Press Machines!



They can be
found basically
EVERWHERE
when you're on
a trip!

**Shiny pennies make
shiny designs**

HOW DO WE DO THAT??



Pennies!

What are pennies made of?

MATER from CARS!!

How are these two cars different?



Let's take a closer look at Mater!



Rust

Notice how Mater's paint is peeling?

Look at how the
paint is turning brown.

What is that?!

What is rust?!



When iron sits outside, it reacts with oxygen and water to form rust, a reddish brown layer on the outside of an object

Did you know ...

**The Statue of
Liberty wasn't
always green?!!!**



Why did the
statue of
liberty change
color?
Corrosion!



What is corrosion?

When metal mixes with air and water, after some time, it **CORRODES**. A type of corrosion is **RUST**.





Cleaning!

How do you guys wash your hands?
What do you use?



**So how do we clean pennies and get rid of the
rust?**



**The
obvious?**

Will soap and water work?



**Or a different
way?**

Or could we use different
things to clean?

Let's get cleaning!



Ketchup!



Vinegar!



**Baking
Soda!**

And more!! See what other materials you can use to clean the pennies



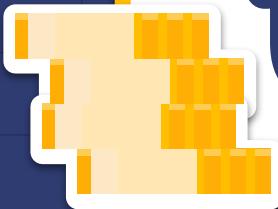
Record your
observations on
your paper!



classroomclipart.com
http://classroomclipart.com



How did that go?





Observations

What worked best? What didn't work so well?

**It's cleanup
time! Thanks
for coming!**

