

All Kinds of Slime Project Guide

PROJECT OVERVIEW:

Create and test basic slime recipes and then concoct a new slime creation of your own design.



Project Intro Video:
All Kinds of Slime



Inspirational Video:
The Science Behind Slime



PROJECT CATEGORY:

Tinkering

DIFFICULTY LEVEL:

Beginner

TIME RANGE:

30 - 90 minutes

ESSENTIAL SKILLS/ MINDSETS THAT YOU MAY LEARN:

Iteration

Prototyping

Chemistry

Polymers

Tinkering

Failure leading to
success

TOOLS AND MATERIALS:

- Basic Recipe: Elmer's glue, Borax & water
- Mixing bowls, measuring cups, spoons
- Containers or baggies to store slime
- Experiment Add-ins: shaving cream, food coloring, glitter

AT HOME SUBSTITUTIONS:

- In addition to glue, try adding some of these other household items if you have them on hand: contact lens solution, baking soda, liquid starch or see the resource section for advanced recipe ideas.

MATERIAL PURCHASE LINK:

<http://tiny.cc/Intelbuylst>

Project Steps Dream it!

Your mission here is to test out several recipes of slime and slime embellishments such as food coloring and glitter to discover which kinds work best for your individual tastes.

1 Watch the Introduction and Inspire-to videos to help you understand the possibilities. [:10]

2 Explore different slime recipes. See the "Recipes" section. [:05]

Draw It!

- 3 Pick which 2 to 4 recipes you'd like to make. [03]

Build It!

- 4 Gather your tools and ingredients to make your selected slime recipes. [03]

- 5 Make your selected recipes –write notes and observations as you go. [05]

- 6 Troubleshoot and iterate. Did it work? If so, great. If not, time to troubleshoot! [05]

Share It!

- 7 Share the results of your slime testing with your family, peers, or group. [10]

Expand it!

Have time to remix your project to make it even better? Try these ideas to take your slime to a whole new level:

- Magnetic Slime with Iron Oxide
<https://frugalfun4boys.com/make-magnetic-slime/>
- Slime based Squishy Circuits with Gatorade
<http://www.makeosity.com/squishy-circuits-and-squishy-batteries/>

THINK ABOUT IT:

- Do you plan to use white or clear glue if both are available?
- Do you plan to focus more on testing out different ingredients or testing out different color – glitter combinations?
- What recipes do you think will be most successful with the ingredients that you have on hand?

“The meeting of two personalities is like the contact of two chemical substances: if there is any reaction, both are transformed.”

— Carl Gustav Jung

TROUBLESHOOTING:

First breathe and then ask yourself, “what might have gone wrong”? Measuring? Wrong additives?

Troubleshooting is one of the most valuable skills you can develop. Here are some resources to help you troubleshoot if you are having trouble making your slime:

- How to Fix Slime (video) - <https://youtu.be/dMoZVVCAQ2M>
- How To Fix Slime: Troubleshooting Guide for Slime Recipes
<http://tiny.cc/slimerecipes>

SLIME RECIPES:

The following resources provide some advanced slime recipes:

- How to Make Slime - <https://www.homesciencetools.com/article/how-to-make-slime/>
- 21+ Easy Homemade Slime Recipes
<https://littlebinsforlittlehands.com/homemade-slime-recipe/>
- 19 Slime Recipes for Making Different Types of Slime
<https://www.thoughtco.com/recipes-for-different-types-of-slime-608233>

HELPFUL RESOURCES

- The Perfect Slime Recipe. The Chemistry behind Slime.
<https://www.curiscope.com/blogs/blog/the-perfect-slime-recipe>
- Unique Slime Recipes -
<https://www.thechaosandtheluttre.com/archives/unique-slime-recipes>
- The Ultimate List of Slime Supplies (to Make Hundreds of Recipes) -
<https://www.inthekidskitchen.com/slime-supplies/>
- Elementary alternative slime intro video-> What's in SLIME? Atoms, Molecules, and Science! <https://youtu.be/RTJbJMsfcx8>

NEED MORE HELP AND INFORMATION?

Contact us at: intelfutureskills@intel.com