

1 2 3 4 5 6 7 8
9

Nine ideas for...

makerspaces in your classroom

Makerspaces are a great way to have students explore STEM issues through designing, creating, and sharing their ideas.

1

USE ROBOTS TO HELP STUDENTS PROGRAM

Sphero, Dot and Dash, and Ollie to get kids learning basic programming skills. They'll have fun and learn tons of STEM skills!

2

NO-TECH TOOLS

Some of the best makerspaces activities use everyday classroom supplies. Have kids use rubber bands, paper clips, and more to create amazing prototypes.

3

OUT OF THIS WORLD

Virtual Reality tools like Google Cardboard can take your students anywhere on the planet and provide great opportunities to learn about people and places.

4

LEGOS FOR LEARNING

Programs like First Lego League introduce students to a variety of programming skills. Kids can compete with other schools/groups in local leagues.

5

BREAKOUT OF THE TRADITIONAL CLASSROOM

Teachers can create breakout boxes to challenge their students. Think of an escape room for education! Your students will love it!

6

DON'T BREAK THE BUDGET

Think about the three R's – Reduce, Reuse, Recycle. You can repurpose many things from around the school. Old computers, scrap wood, used electronics are great ways to save \$.

7

3D PRINTERS

3D printers are amazing tools for a makerspace. You can create incredible prototypes for almost nothing. Cost for printers has gone down to the point where you could get one!

8

TRY AN INNOVATION TOURNAMENT

Have students brainstorm their best ideas for new tools and share them as part of classwide innovation tournament.

9

GREAT MAKERSPACES RESOURCES

Find 1000's of online resources for makerspaces lessons and ideas. Sites like Makerspaces and Pinterest have tons of great resources you can use in your classroom.

UEN offers a wide range of ed-tech classes for educators, online and in-person. Learn more at www.uen.org/development.