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.