

Exploring Technology10

These links may be of value when it comes to generating activities and challenges that you can create for your students. It should be noted that some students have limited access to technology however many of these learning experiences can still be successfully implemented in a low technology reality.

<https://teach.com/blog/maker-education-projects/>

https://www.youtube.com/watch?v=D_jGExZxq1Q

<https://www.thetech.org/content/bowers-institute/resources>

<https://www.teachengineering.org/curriculum/browse?collection=MakerChallenges>

https://pbskids.org/designsquad/pdf/parentseducators/DS_Act_Guide_complete.pdf

<http://diyclassroom.weebly.com/ideas-for-teachers/five-easy-design-challenge-activities-that-you-can-st-art-right-away>

<https://www.microsoft.com/en-us/education/education-workshop>

<https://www.sketchplanations.com/>

<https://www.commonsense.org/education/articles/10-great-movies-for-the-stem-classroom>

<https://www.architectureartdesigns.com/15-awesome-cardboard-crafts-that-everyone-can-easily-make/>

<https://www.youtube.com/watch?v=vYfqZAvn3cM>

https://www.youtube.com/watch?v=Prp6Zq2_Lfk

<https://www.youtube.com/watch?v=DNG8Pq13bYg>

<https://www.nasa.gov/aeroresearch/resources/k-12>

<https://www.instructables.com/>

<https://www.instructables.com/howto/cardboard/>

<https://frugalfun4boys.com/awesome-stem-challenges/>

<https://frugalfun4boys.com/engineering-challenges-clothespins-binder-clips-craft-sticks/>

<https://frugalfun4boys.com/4-engineering-challenges-kids/>

<https://www.instructables.com/id/Cork-Shooter/>

https://www.youtube.com/watch?v=6a_P-N3EFic

<https://www.sciencebuddies.org/science-fair-projects/project-ideas/eleventh-grade>

<https://www.cultofpedagogy.com/google-student-projects/>

Below are some low technology project ideas that you may want to consider.

Create a T-Shirt design celebrating the end of the Covid 19 Lockdown

Sketch/drawing - 2 & 3 point perspective drawing

Create an architectural floor plan of your dream cottage

Make a 3D scale model of your bedroom out of recycled cardboard

Using the design process make a face mask out of recycled materials

Using the design process make solar greenhouse for germinating plants out of recycled household materials

Create an elastic powered vehicle that can carry an egg 1 metre

Create a stress relief activity calendar for people who are self isolating

Create a design for a button to help promote safety awareness during the Covid 19 pandemic

Design a capsule to protect an egg from a one metre drop

Write a podcast script promoting safety awareness during the Covid 19 pandemic

Write and storyboard a one-minute video script promoting safety awareness during the Covid 19 pandemic

Design and build a Covid 19 board game based on safety facts out of recycled materials

Make a photo-essay of some aspect of your family life

Create an animated a message of support and friendship for someone you know- could be drawn, paper cutouts, claymation, lego etc

Using the design process make a device for picking up items without touching them with your hands

Create a safety poster for home use