

Ideas for making the most of your Lego at home

How can I use these at home to extend learning?

- Take a daily picture and ask children to write a sentence about what they have created or describe their build to a family member. This could also be done over Skype or recorded.
- Make a book using either an old notebook or an app on your phone or mobile device filled with pictures of the builds and written descriptions. Common sense media have a list of apps for story book making here <https://www.common sense.org/education/top-picks/best-apps-for-creating-books-and-storybooks>
- Children can be encouraged to create their own Lego challenge calendar for someone else.
- Create instructions for making a model they have created.

Most of these links lead to websites that are filled with other ideas.



30 day Lego challenge

30 days of different challenge activities such as Prince Charming hires you to build a castle for Cinderella etc.

<https://www.freehomeschooldeals.com/free-printable-30-day-lego-challenge-instant-download/>



Lego challenge cards

25 cards to print and use at home with challenges such as build a pattern- can also be used with duplo.

<https://thestemlaboratory.com/lego-challenge-cards/>



Lego nerf targets

You will need specific bricks for this challenge- alternatively you could task your children with creating their own version. There are some non- spinning target instructions on this site that are much simpler.

<https://frugalfun4boys.com/build-lego-nerf-targets/>



31 day challenge

Another set of daily challenges for the month such as 'try to sink a minifigure' *You need to give them your email address to access the resources.* <https://littlebinsforlittlehands.com/fun-lego-learning-activities-kids/>

LEGO CHALLENGE



Lego Wind racers

Design and make a vehicle that can be powered by the wind. Dowel is used for the mast but you could use a straw or challenge your child to find a way to attach a sail.

<https://legolibrarian.com/2018/03/17/lego-challenge-wind-racers/>



Lego marble maze

Use a base plate and build a maze for a marble or small ball to move around. Children can add complexity. Instructions can be written as computer code for how to move around the maze.

<http://bedtimemath.org/lego-maze-fun/>



Lego ice experiment

This one takes some forward planning! Freeze a minifigure or 3 or 4 in ice blocks and then allow your child to experiment with how to get the figure out of the ice.

<https://lemonlimeadventures.com/lego-science-ice-excavation-experiment/>



Lego bridge

How long can you build a bridge? How much weight can it hold? How tall can you build it? Look at different bridge styles and decide on which is the best.

<https://creativeqt.com/blogs/news/family-steam-challenge-engineering-lego-bridges>

