

# KidEx Do-It-Yourself National Challenge 2020

## Activity description and self-learning manual

### KidEx Do-It-Yourself National Challenge 2020

Activity 27: Build a 0.5 mtrs (1.5 ft) long "earthquake resistant" building

3-5 years

Cognitive skills



Create a 0.5 mtrs (1.5 ft) long building on a mat using materials like

- Playing Cards
- Dominoes pieces
- Jenga blocks
- Steel glasses
- Etc

Record a Video

- Showing the Creation
- Talking about how was the same built
- Mildly shaking the mat to Create earthquake
- Show how the building doesn't fall but shakes

Submit as per the guidelines

[www.kid-ex.com](http://www.kid-ex.com)

Image source: Hands on as we grow

**Activity: Build a 0.5 mtrs (1.5 fts) long "earthquake resistant" building | Cognitive skills | 5 years**

#### Skill development milestone

Children interact with and learn about the world through play activities. They begin to experience the world through exploration and feel inquisitive about self and surroundings. The child asks innumerable questions: Why? What? Where? When? How? Who? They understand what is good and bad (though they may not understand why) and be able to follow the rules.

They can understand and accomplish simple activities to be healthy, such as brushing teeth or washing hands. Some children can tell time on the hour: five o'clock, two o'clock. The child states the name of own city or town, birthday, and parents' names. Many children know the alphabet and names of upper- and lowercase letters. Children now understand the concept of privacy. You child follows the meaning of others' conversations.

The child can print some letters, numbers, geometric shapes. Child rote counts to 20 and above; many children count to 100. The child identifies objects with specified serial position: first, second, last. The child also knows about things used every day like food, money. The child recognizes and identifies coins; beginning to count and save money.

They can sort a variety of objects so that all things in the group have a single common feature (classification skill: all are food items or boats or animals). The child understands the concepts of smallest and shortest, places objects in order from shortest to tallest, smallest to largest. They can recognize the humor in simple jokes; makes up jokes and riddles.

#### Activity description

The child should create a 0.5 mtrs / 1.5 ft long building using any readily available material at home like playing cards, steel glasses, domioes pieces, jenga pieces etc. The child should build the same on a mat like base (which can be easily shaken).

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Record a video of the child:

1. Showing the creation
2. Talking about how was the same built
3. Mildly shaking the mat to create a medium-intensity earthquake
4. During the earthquake show, how the building is moving

The video should be submitted as an entry as per submission guidelines.

You may share the same with family (1<sup>st</sup> circle), relatives & close friends (2<sup>nd</sup> circle) or acquaintances (3<sup>rd</sup> circle) as desired by you. Or post the same on social media (public), if you wish, with the hash tag #KidExDIYChallenge or #KidExDIYNationalChallenge.

## Submission guidelines

1. Keep the total file size less than 20 MB
  - a. Higher resolution camera creates large size video files
  - b. Android users can install & use Camera MX player to record smaller size video files
    - i. Camera MX player can be downloaded from [here](#)
  - c. Iphone users should change resolution setting by going to Settings -> Camera & selecting lowest resolution from "Record Video" option
2. You can upload the video file at <https://www.kid-ex.com/diy-nc>
3. Kindly ensure you have registered for the event for us to assess the submission. If not registered, please visit <https://www.kid-ex.com/diy-reg> to register.

## Self-learning manual

Common mistake and things to keep in mind in this activity are:

1. The child is unable to create the building and it keeps breaking
2. The child is not able to estimate how tall the building needs to be
3. The child is unable to create an earthquake by shaking the mat
4. The child is not creating a solid foundation structure which can withstand mild earthquake
5. The child fails to observe the impact of earthquake on building

Key coaching tip to excel in this exercise is that let the child learn by experimentation. Do not try to introduce the child to any scientific concepts but indulge in the exercise as a fun exercise. Let learning be an accident.

Be prepared to answer a lot of questions regarding whether your house is earthquake resistant or not.

Key benefits of this exercise are:

- Improves observation skills
- Helps child register many engineering concepts subconsciously
- Promotes creativity in thinking
- Improves child's estimation skills
- Improves hand-eye coordination as well

## Entry evaluation guidelines

The maximum point for this activity is 30. Every entry would be rated as either:

1. Master (M): 100% score

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- a. The child can build a “earthquake-resistant” structure & articulate in an engaging manner the creation as per the provided guidelines
2. Intermediate (I): 80% score
  - a. The child can build a “earthquake-resistant” structure & articulate in a low-engaging manner the creation as per the provided guidelines
3. Beginner (B): 50% score
  - a. The child can build a structure which is not earthquake resistant but could articulate in an engaging manner the creation as per the provided guidelines
4. Not applicable (NA): 0% score
  - a. All other submission cases
  - b. No submission.

For any queries, you may Whatsapp us at +91-7303755886 or email us at [info@kid-ex.com](mailto:info@kid-ex.com).

## About KidEx

KidEx is a company founded by Kapish Saraf & Amritanshu Kumar (IIT Kharagpur & IIM Calcutta alumni). KidEx aims to create a platform to enable holistic & comprehensive development of every child by partnering with their parents in a logistically convenient manner for the parents. KidEx offers multiple extra-curricular activity classes for kids in physical & digital form (basis screen time guidelines) to enable child’s holistic development.

Should you be interested in undertaking any of the classes or knowing more about our offerings, kindly reach out to us at +91-7303755886 (call / WhatsApp) or email us at [info@kid-ex.com](mailto:info@kid-ex.com)

**KidEx will offer all learning solutions to parents under one umbrella.** KidEx would soon launch a suite of digital products aimed at making child-raising easier & more fun for parents.

## Live Classes

Cognitive Development	Physical Development	Language & Communication	Creativity & Imagination
✓ Chess	✓ Yoga	✓ English	✓ Guitar
✓ Science (Class 8 to 10)	✓ Bolly-fitness	✓ Mandarin	✓ Film-Making
✓ Chemistry (Class 11 & 12)		✓ French	✓ Fine Arts (Sketching / Painting)
		✓ German	
		✓ Spanish	

*Note: Upcoming classes include Academics, Robotics, Coding, Dramatics, multiple Dance & Music, Social Etiquette etc.*

## About KidEx Do-It-Yourself National Challenge

The event is an effort to spread awareness regarding **need for all rounded development of the child**. This is also, designed keeping in mind the current external scenarios where lockdown/no lockdown, social distancing practices would continue & schools/colleges

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might be shut for a few months which would require parents to find non-screen time learning opportunities for the child while demanding lesser time for parents allowing them some breathing space for themselves.

The event is open to all Indian citizens in India or abroad across age groups of 3 to 17 years. Basis the submitted entries, for every age, a leader board would be created & declared.

You may share your entries (video/images) with family (1st circle), relatives & close friends (2nd circle) or acquaintances (3rd circle) as desired by you. Or post the videos on social media (public), if you wish, with the hash tag **#KidExDIYChallenge** or **#KidExDIYNationalChallenge**.

## **Prizes & certificates**

We will conduct two versions of the event for all interested parents. Parents can decide whether they want their child to participate in the paid version or the free version of the event. Entry charge for paid version of the event is INR 500 for every child.

Paid version participants would be eligible for:

1. Prizes for winners across all age category
  - a. Number of winners linked to number of paid version participants
  - b. 50% of registration fees to be distributed as prize to winners
2. Winner & participation certificates
3. Assessment score for every submitted entry & leader board position summary

Free version participants would be eligible for:

1. Assessment score for every submitted entry

Even participants interested in paid version would be required to pay the amount after 7<sup>th</sup> May allowing them opportunity to participate first & then, decide.

## ***Important notes:***

**1. Re-submission:** KidEx will provide weekly status on Tuesday / Wednesday for all entries made till Sunday midnight of previous week. KidEx DIY aims to inculcate culture of self-learning & 1% improvement every day in each & every child. If you wish to re-submit the entry for any activity to give the kid an opportunity to better her/his performance and aim for M, we would be supportive and do not mind the additional effort on our part to re-do the assessments. Feel free to re-submit the entry.

**2. Conversion to paid version:** Should you wish to convert to paid participation (Rs 500/- only), or make payment for your paid participation, simply visit <https://rzp.io/l/KidExDIY> and make the payment by providing your registered email address, mobile number & child name. KidEx team will ensure that your payment is duly recorded & reflected in your participation.

**3. Respecting your choice:** If you have been registered with KidEx for more than 7 calendar days as unpaid participant and have not submitted even 1 entry, we will respect your choice and will not share challenges with you going forward. Should you wish to re-start receiving challenges, simple make submission for any one challenge or convert to paid participation.

**4. Unsubscribe option:** Should you wish not to receive DIY events email from KidEx, simple send an email with subject "Unsubscribe" from your registered email address to [info@kid-ex.com](mailto:info@kid-ex.com).