



presents

National All Rounder Championship

1 December 2020- 28 February 2021

Self-Learning Manual: Activity 05

Cognitive skills:

Smart Home

Age: 5 years

This activity is sponsored by



Our sponsors





Activity description

The child is required to share his/her views about LED lights. S/he is supposed to state three benefits and one downside of LED lights. A video of the child sharing his/her views should be recorded & submitted as an entry.

The video presentation should cover:

1. 3 benefits of LED light over others
2. 1 downside of LED light over others

While thinking of benefit or downside, the child may consider aspects related to convenience, safety, cost, complexity to use. The intent of articulating both is to ensure the child can appreciate both the pros & cons of any object/idea & then, form a judgement regarding the overall relevance/suitability of the object/idea.

Do note that the child must address the key points mentioned above in an engaging video of length at least 30 seconds to complete submission.

Assessment guidelines

The total non-bonus points for this activity is 30. Every submission would be rated as either of below.

M = Master
(100%)

The child's video is at least 30 seconds long, engaging, covers 3 correct benefits & 1 correct downside of LED lights/bulbs

The child's video is at least 20 seconds long, engaging, covers 2 correct benefits & 1 correct downside of LED lights/bulbs

I = Intermediate
(80%)

B = Beginner
(50%)

The child's video is at least 15 seconds long, engaging, covers either 2 correct benefits of LED lights/bulbs or 1 correct benefit & 1 correct downside of LED lights/bulbs

For participating in the event & making an event relevant submission which does not meet assessment guidelines for M, I or B.

A = Aspirant
(25%)

NA (Not applicable)

No submissions or any submission which is irrelevant for the activity.

50% bonus marks: If the child securing an M can share an idea to make any home a SMART HOME.

Expert coach speaks

A child sees around the house and notices a lot of things which help in meeting her/his needs. At a younger age, the child might not comprehend the technical operations, but s/he can be made aware about the basic functions, pros, and cons of a particular device/gadget/appliance.

While it is important for the child to know how to use these devices, it is equally important to think of better alternatives. The aim of the given activity is to let the child brainstorm on new/known ideas to allow mind to think openly about ideas that can help improve life quality.



Key benefits of this activity

The activity benefits in many ways:

- Improves observational and reasoning skills
- Builds perspective
- Helps to learn about the things that are useful
- Motivates to question about things in surrounding
- Prepares ground for innovation
- Helps to build connections

Common mistakes to avoid

- *Lack of curiosity to question why a solution should be useful versus not useful*
- *Lack of understanding of environment, energy & how it impacts all*
- *Lack of interest to question how something works*
- *Limited communication skills*
- *Lack of knowledge about the host of innovative solutions available in market related to SMART HOME*

Useful web resources

- [Benefits of LED lights](#)
- [Benefits of LED lights \(with parental support to read\)](#)
- [Use of old LED lights](#)
- [Possible downside of LED](#)
- [LED light manufacturing process](#)
- [Make LED light at home](#)

To submit your entry, visit our website (www.kid-ex.com). For any queries, email us at info@kid-ex.com.

Keep learning! Keep growing! Stay happy! Be successful!