

FREE LAEF PROGRAM!

There is no charge for the STEAM program due to proceeds from the King and Queen of Hearts campaign!



Sign-up for the STEAM Showcase/Rossmoor Fair and FREE Classes at www.LAEF4Kids.org/STEAM!

Join the STEAM Fair at Rossmoor Elementary!

Date: Monday, May 15 during the school day

Purpose: For our Knights to show their love for science and engineering!

Why? Kids care. Kids share. Kids celebrate at the STEAM fair!

What is a STEAM Project?

(S = Science, T = Technology, E = Engineering, A = The Arts, M = Math)

Are you curious about the world around you and how things work? Do you have an idea for an invention or a way to improve something that already exists? Do you have an interest or real-life experience that you want to use STEAM to understand more? If so, then the fair and showcase are for you!

How?

1. Sign up to present a project at the STEAM Fair/Showcase by Friday, May 3!
2. Sign up for the **FREE** project guidance classes led by STEM teacher Mrs. Ellis! Limited space available! See the reverse for all the details.
Class times: 1:05-2:30 on March 29, April 5, 12, 26 and May 3, & 10 (Wednesdays)
3. Help your child brainstorm problems that need solutions or questions they can explore.

Then join in the fun and create a project for the 3rd annual district-wide...

STEAM Showcase!!!

Saturday, May 20th from 10:00 a.m. - 12:00 noon at the Los Alamitos High School Gym

***LAEF thanks the Tesoro Foundation for their generous Robotics grant!**

See the reverse of this page for more details!

STEAM Projects

Get all the details in the STEAM Project Criteria document at www.LAEF4Kids.org/steam

Choose A Theme:

Physical, earth, life, and/or space science

Speed, velocity, acceleration

Energy efficiency/the environment

Web design, graphic design, video production

Robotics/engineering design

Mobile application technologies

Food science

-Try to involve as many STEAM areas in your project as possible! Be creative!

Need an idea? Visit <http://www.leelab4kids.com/steam-links.html>.

Projects should pose a problem or a question. Then you can investigate your question or come up with an invention design to solve the problem.

Conduct Research: learn about the subject(s) involved with your project; what do people already know?

Design Your Project or Conduct an Experiment: Collect data if that applies. What did you learn through this process? Did it go the way you planned? Why or why not?

Project Presentation: be ready to have a conversation with others about your project and sell your idea!

I'm in! Now what do I do?

- Kids in grades K-5 are welcome to join the fun!
- You can do a project by yourself, in a pair, or in groups of three!
- Sign up to attend FREE CLASSES with the LAEF STEAM Teacher at www.LAEF4Kids.org/steam! This will help you come up with a project and then guide you along the way.
- Class info: In the Media Center from 1:05-2:30 on March 29, April 5, 12, 26 and May 3, 10 (Wednesdays)
 1. March 29th: *Idea Generating/Research & Plan*
 2. April 5th: Workshop – bring your supplies
 3. April 12th: Workshop – bring your supplies
 4. April 26th: Workshop – bring your supplies
 5. May 3rd: Workshop- bring your supplies
 6. May 10th: Presenting (How to)
- Officially enter your STEAM Showcase by going to www.LAEF4Kids.org/steam to sign up! There is no entry fee! You will automatically be invited to the STEAM Fair too!
- For those creating NEW LAEF ACCOUNTS: while classes and fair participation are free of charge, our system requires that you provide credit card information to secure registration. You will NOT be charged, but your registration will be dropped if a credit card isn't on file! We are very sorry for the inconvenience.
- At the STEAM Showcase, you will be awarded for your effort and participation!
- Scholarships are available for project supplies – go to www.LAEF4Kids.org/scholarships for more information!

A Note to Parents:

- Let your child do this project; please do not provide too much assistance! The workshops are designed to support students with their projects but students will most likely need more time at home to complete their project. Families, you will need to gather materials for your child's project before the workshops start on Wednesday, April 5th.
- Student safety is of the utmost importance to LAEF! Projects should avoid student contact with chemicals, drugs, machinery, highly flammable materials, open flames, electricity and/or live animals.

LAEF is proud to partner with Earth Friendly Products Company - ECOS, located in Cypress. There will be a presentation from the Keynote Speaker - Director of the Product Development, Jenna Arkin at the STEAM Showcase.