Exploration HUB — **March** 2023

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	**2** Photo Scanner and Photo Editing Software Demo 5:30 – 6:30 p.m.	**3**	**4** Beginning Arduino Noon – 1 p.m. Arduino Club 1 – 2 p.m.
6 Digital Conversion Demo: VHS tapes, Super 8 and more Noon – 1 p.m.	**7** Making the Cut: Video Editing Club 5:30 – 6:30 p.m.	**8**	**9**	**10**	**11**
13 Silhouette Cameo: Paper Quilling 3 – 4:30 p.m.	**14**	**15**	**16**	**17**	**18** Intermediate Arduino: Fun with RGBs Noon – 1 p.m.
20	**21**	**22**	**23** Digital Conversion Demo: VHS tapes, Super 8 and more 5:30 – 6:30 p.m.	**24**	**25** Photo Scanner and Photo Editing Software Demo Noon – 1 p.m.
27	**28** Teen Tinkercad: Miniature Hinged Box (Grades 7 – 12) 4 – 5:30 p.m.	**29** Silhouette Cameo: Baby Onesie with Bunnies 5 – 6:30 p.m.	**30**	**31**	

Register for class here

Exploration HUB
Learn • Collaborate • Create

March 2023

Monday – Thursday: Noon – 7 p.m.
Friday & Saturday: Noon – 5 p.m.

Exploration HUB Website:

www.carlsbadca.gov/hub

Classes are for ages 13 and up unless otherwise indicated.

All classes in the Exploration HUB are free.

1775 Dove Ln.
Carlsbad, CA 92011
Located on the 2nd floor
442-339-2039

Carlsbad
City Library

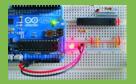### What is Arduino?
It is an open-source platform used for building electronics projects. There are two components, coding and circuitry. Arduino IDE has created their own coding language that is user friendly and easy to upload. The circuit board is used without the need for soldering and can be easily changed as your project advances.

What can I do with it?
You can start with making LED lights blink and work your way up to projects such as remote-control cars or an automatic plant watering system. The sky is the limit with Arduino.

Class Schedule

Photo Scanner and Photo Editing Software Demo
3/2/2023 5:30 – 6:30 p.m. or 3/25/2023 Noon – 1 p.m.
Learn how to use the Epson V850 scanner and software and hear about the photo editing software we have available for you to use.

Beginning Arduino
3/4/2023 Noon –1 p.m.
Interested in doing electronics projects with Arduino? Learn about this open-source platform used to build electronics projects. You will write and upload computer code to the Arduino circuit board. No prior experience necessary.

Arduino Club
3/4/2023 1 – 2 p.m.
Are you working on your own Arduino project and have questions? Join us and get some answers or come in and share your project and offer advice to other Arduino users.

Digital Conversion Demo: VHS tapes, Super 8 and more
3/6/2023 Noon – 1 p.m. or 3/23/2023 5:30 – 6:30 p.m.
Learn how to convert old VHS tapes, Super 8 or 8mm reels, Mini DV tapes or Hi8 tapes to digital format.

Making the Cut: Video Editing Club
3/7/2023 5:30 – 6:30 p.m.
Content creators, video editors and film makers are invited to join this club. Share ideas, get advice and have a space to talk about film making and editing. All skill levels are welcome.

Silhouette Cameo: Paper Quilling
3/13/2023 3 – 4:30 p.m.
Paper quilling is the art of cutting and using long, thin strips of paper, rolling and pinching them into different shapes and gluing them together to create a piece of art. Learn how to make your own quilling supplies using the Silhouette Cameo and create a piece of art.

Intermediate Arduino: Fun with RGBs
3/18/2023 Noon – 1 p.m.
Tired of using the same old single-color LEDs? Learn how to connect and control RGB LEDs with Arduino and add some color to your electronics projects. Recommended for patrons who have prior experience with Arduino.

Teen Tinkercad 3D Design: Miniature Hinged Box (Grades 7-12)
3/28/2023 4 – 5:30 p.m.
Get an introduction to the Tinkercad 3D design software and learn how to use shapes to create a miniature hinged box that you can open and close.

Silhouette Cameo: Baby Onesie with Bunnies
3/29/2023 5 – 6:30 p.m.
Learn how to use the Silhouette Cameo to design and cut three bunnies and text using heat transfer vinyl to put on a baby onesie. Shapes and fonts have been pre-selected to help you learn the design process.