

Exploration HUB

at the Carlsbad City Library

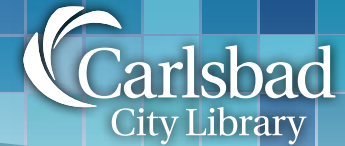


Photo Editing
Digital Crafting
Circuitry & Coding
3D Design & Printing

1775 Dove Lane (2nd floor)
Carlsbad, CA 92011
760-602-2038

www.carlsbadlibrary.org
librarian@carlsbadca.gov

Hours*

Monday – Thursday: 10 a.m. – 8 p.m.

Friday & Saturday: 10 a.m. – 4 p.m.

Sunday: 1 p.m. – 4 p.m.

*Exploration HUB is closed during classes shown on the calendar.

Register with your name, email address and valid Carlsbad City Library card at

<http://carlsbadca.libcal.com/calendar/HUBclasses>

Classes for ages 13 and up unless otherwise indicated.

All classes in the Exploration HUB are free.

Class Descriptions – September 2017

Arduino – Beginning

You'll put together basic single component electrical circuits, learn about analog and digital, input and output, and basic programming concepts. This class is truly designed with the beginner in mind and serves as a great introduction to the world of physical computing.

Arduino – Intermediate

Learn how to use LEDs, buzzers, motors, switches and more. We will choose a different project each week, or you can work independently using our Arduino kits.

Recommended prerequisite: Beginning Arduino

Garage Band – Beginning

Join us for a class to learn about Garage Band. Learn how to use the software to create your own music.

iMovie – Beginning

Learn the basics of movie editing with iMovie.

Mac Basics for the HUB

Join us for an overview of the Macintosh operating system and Apple computers in the Exploration HUB.

Photoshop – Advanced Techniques (2 hour class)

This class will be a single, two-hour demonstration of Photoshop's tips and techniques for creating art from scratch. Areas covered will be creating and working with brushes, paths, patterns, layers and layer effects. All of these techniques will be used to create a piece of art from start to finish.

Recommended prerequisite: Beginner level in Adobe Photoshop

Photoshop Elements – Beginning

Learn how to edit and improve photos. We will use sample images, but you may bring your own photos on a USB drive if you would like to practice at the end of class.

Photoshop Elements – Intermediate: Greeting Card

We will explore some advanced features of Photoshop Elements. Using multiple layers, we will create a holiday card properly sized for printing at a lab such as Costco. Get ready to make the perfect card this holiday season. Please bring note-taking materials and prepare to have fun!

Raspberry Pi – Beginning

Interested in using a Raspberry Pi but don't know where to start? This class will teach you the basic of setting up a Raspberry Pi computer as well as how to find and add programs.

Recommended background: Basic Windows or Macintosh computer skills.

Silhouette Cameo – Beginning

The Silhouette Cameo cutter makes it easy to create intricate designs cut out of paper and vinyl. This class will teach you the basics of how to create your design and output it on the cutter.

Silhouette Cameo – Intermediate

Join us for an intermediate class on the Silhouette Cameo cutting tool and Studio design software. We will choose a different project each week.

Recommended prerequisite: Beginning Silhouette Cameo

Tinkercad – Beginning

Learn the basics of Tinkercad, an online tool to create 3D designs. Visit www.tinkercad.com to create an account. Projects created in class will be 3D printed and ready to take home within one week.

VHS to Digital Conversion Demonstration

Join us for a demonstration of the software and equipment used to convert your personal VHS tapes to a digital format.

Calendar ↓

September 2017 Exploration HUB Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<ul style="list-style-type: none"> • Family classes are designed to bring children and parents/guardians together in the HUB. • Tween classes provide an opportunity for children ages 9–14 in grades 4–8 to collaborate with their peers in the HUB. <p>All other classes are for ages 13 and up.</p> <p>A valid Carlsbad City Library card with internet privileges is required to use the HUB.</p>					1 <ul style="list-style-type: none"> • Family Intermediate Silhouette Cameo: Stylized Greeting Card 10 a.m. – 11:30 a.m. 	2 <ul style="list-style-type: none"> • Family Beginning Silhouette Cameo 2 p.m. – 3 p.m.
3 <ul style="list-style-type: none"> • Family Photoshop Elements: Fun Edits 2 p.m. – 3 p.m. 	4 All Carlsbad City Libraries closed	5 Intermediate Photoshop Elements: Retouching 10 a.m. – 11:30 a.m. Mac Basics for the HUB 2 p.m. – 3 p.m.	6 <ul style="list-style-type: none"> • Tween Beginning Silhouette Cameo 4 p.m. – 5 p.m. 	7 <ul style="list-style-type: none"> • Family Beginning Photoshop Elements 4 p.m. – 5 p.m. • Intermediate Arduino: Circuits.io 6 p.m. – 7 p.m. 	8 Beginning Silhouette Cameo: Mini Hat Party Favor 10 a.m. – 11 a.m.	9 <ul style="list-style-type: none"> • Family Beginning Garage Band 10 a.m. – 11 a.m. • Adobe Photoshop: Advanced Techniques 2 p.m. – 4 p.m.
10	11 <ul style="list-style-type: none"> • Family Beginning Silhouette Cameo 3 p.m. – 4 p.m. • Family Beginning Arduino 6:30 p.m. – 7:30 p.m. 	12 Intermediate Photoshop Elements: Retouching 10 a.m. – 11:30 a.m. VHS to Digital Conversion Demonstration 6:30 p.m. – 7:30 p.m.	13 Beginning Tinkercad 10 a.m. – 11 a.m. <ul style="list-style-type: none"> • Family Tinkercad 6:30 p.m. – 7:30 p.m. 	14 Beginning Photoshop Elements 10 a.m. – 11 a.m. <ul style="list-style-type: none"> • Family Beginning Silhouette Cameo 4 p.m. – 5 p.m. • Beginning Raspberry Pi 6 p.m. – 7:30 p.m. 	15 Intermediate Silhouette Cameo: Mini Notepad 10 a.m. – 11:30 a.m.	16 <ul style="list-style-type: none"> • Family Beginning Tinkercad 10 a.m. – 11 a.m.
17 Beginning Tinkercad 2 p.m. – 3 p.m.	18 VHS to Digital Conversion Demonstration 6:30 p.m. – 7:30 p.m.	19 Beginning iMovie 2 p.m. – 3 p.m.	20 Mac Basics for the HUB 10 a.m. – 11 a.m. <ul style="list-style-type: none"> • Family Beginning Photoshop Elements 6:30 p.m. – 7:30 p.m. 	21 Beginning Tinkercad 10 a.m. – 11 a.m. <ul style="list-style-type: none"> • Family Beginning Arduino 6:30 p.m. – 7:30 p.m. 	22	23 <ul style="list-style-type: none"> • Family Beginning iMovie 10 a.m. – 11 a.m.
24	25 Beginning Arduino 2 p.m. – 3 p.m. <ul style="list-style-type: none"> • Family Mac Basics for the HUB 6:30 p.m. – 7:30 p.m. 	26 Intermediate Photoshop Elements: Greeting Card 10 a.m. – 11:30 a.m. Mac Basics for the HUB 3 p.m. – 4 p.m.	27 <ul style="list-style-type: none"> • Tween Beginning Tinkercad 4 p.m. – 5 p.m. 	28 <ul style="list-style-type: none"> • Tween Beginning Silhouette Cameo 4 p.m. – 5 p.m. • Intermediate Arduino: Motor Encoder 6 p.m. – 7 p.m. 	29 Intermediate Silhouette Cameo: Paper Fortune Cookie 10 a.m. – 11:30 a.m.	30 <ul style="list-style-type: none"> • Family Beginning Arduino 2 p.m. – 3 p.m.