



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

1775 Dove Lane (2nd floor)
Carlsbad, CA 92011
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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

www.carlsbadca.gov/hub

Classes for ages 13 and up unless otherwise indicated.

All classes in the Exploration HUB are free.



Class descriptions

Arduino – Beginning

Learn about this open-source platform used to build electronics projects. It consists of a programmable circuit board and computer software that is used to write and upload computer code to the physical board.

Arduino – Intermediate

Learn how to use LEDs, buzzers, motors, switches and more. We will choose a different project each week. Recommended prerequisite: Beginning Arduino

Arduino Club

Bring your Arduino or Raspberry Pi project to show off your skills or get help with selecting parts, creating circuits and debugging your project. All levels welcome.

Create 360° VR Video (4-part class)

Learn to film using a GoPro Fusion 360° camera and edit footage using Final Cut Pro. This multi-week course is for patrons who are beginners at the filming and editing processes. View your 360° footage using a VR video headset viewer. Class dates: November 3, 10, 17 & 24 from 2 p.m. – 4 p.m.

Digital Conversion - Introduction: Audio & Video

Learn to convert your old VHS tapes, cassette tapes and 8 mm film to digital formats for sharing and saving to the cloud.

Experience Virtual Reality

Learn about different types of virtual reality. Bring your smartphone and receive a cardboard VR viewer to take home.

Photoshop Elements – Beginning

Learn to edit and improve photos using Photoshop Elements. Topics include Depth of Field and Introduction to Layers.

Photoshop Elements & Scanner Demonstration

If you're like most people, you have a stack of photos, slides and negatives you'd like to digitize and organize. Join us for this introductory class on using the Epson scanner to scan photos, slides, and negatives, followed by a demonstration of using Photoshop Elements to edit and enhance photos.

Raspberry Pi – Beginning

Learn the basics of using the popular Raspberry Pi computer. In this class, you will learn how to connect and get started with a Raspberry Pi computer as well as the basics of Linux operating system.

Silhouette Cameo – Beginning

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

Tinkercad – Beginning

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

Tinkercad – Intermediate

Use your skills from the Beginning Tinkercad class to create more advanced 3D designs. Projects created in class will be 3D printed and ready to take home within one week.

Exploration HUB Calendar December 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p> ■ Family classes are designed to bring children and parents/guardians together in the HUB. ■ Tween classes are for children ages 9–14 in grades 4–8 to collaborate with their peers in the HUB. ■ Teen classes are for ages 13–19 to explore, learn, and engage with technology. </p> <p>All other classes are for ages 13 and up. A valid Carlsbad City Library card with internet privileges is required to use the HUB.</p>						<p>1 Intermediate Tinkercad: Wizard and Fairy Wand 2:30–4p.m.</p>
<p>2</p>	<p>3 Beginning Photoshop Elements: Holiday Card 10–11 a.m. Family Beginning Arduino 6–7 p.m.</p>	<p>4 Beginning Tinkercad: Drink Coaster 10–11:30 a.m.</p>	<p>5 Beginning Silhouette Cameo: Holiday Card 1:30–3 p.m.</p>	<p>6 Beginning Silhouette Cameo: Holiday Bag 11 a.m.–12:30 p.m. Create 360° VR Video 3–5 p.m.</p>	<p>7 Beginning Silhouette Cameo: Coffee Mug 10:30 a.m.–12 p.m.</p>	<p>8 Family Beginning Tinkercad: Name Tag 10–11:30 a.m.</p>
<p>9</p>	<p>10 Beginning Silhouette Cameo: Holiday Gift Bag 10–11:30 a.m. Intermediate Tinkercad: Cell Phone Cradle 6–7:30 p.m.</p>	<p>11 Scanner and Photoshop Elements Demo 10–11 a.m.</p>	<p>12 Beginning Silhouette Cameo: Wood Drink Coaster 1:30–3 p.m.</p>	<p>13 Beginning Silhouette Cameo: Gift Tags 10–11:30 a.m. Create 360° VR Video 3–5 p.m.</p>	<p>14 Beginning Silhouette Cameo: Gift Box 10:30 a.m.–12 p.m.</p>	<p>15 Family Beginning Arduino 10–11 a.m. Arduino Club 11 a.m.–12 p.m. Family Beginning Silhouette Cameo: Chef Apron 2–3:30 p.m.</p>
<p>16</p>	<p>17 Experience Virtual Reality 6:30–7 p.m.</p>	<p>18 Beginning Silhouette Cameo: Holiday Card 10–11:30 a.m. Intro to Digital Conversion: Audio & Video 6–7 p.m.</p>	<p>19 Beginning Photoshop Elements: Portrait Retouching 10–11 a.m.</p>	<p>20 Create 360° VR Video 3–5 p.m. Family Intermediate Arduino: Buzzer 6:30–7:30 p.m.</p>	<p>21 Beginning Silhouette Cameo: Holiday Card 10:30 a.m.–12 p.m.</p>	<p>22 Beginning Final Cut Pro 2–3 p.m.</p>
<p>23</p>	<p>24 Family Beginning Tinkercad: Drink Coaster 10–11:30 a.m.</p>	<p>25 Carlsbad City Libraries Closed for Holiday</p>	<p>26 Family Beginning Silhouette Cameo: Bookmark 1:30–3 p.m.</p>	<p>27 Create 360° VR Video 3–5 p.m. Beginning Raspberry Pi 6–7:30 p.m.</p>	<p>28 Family Beginning Tinkercad: Name Tag 10:30 a.m.–12 p.m.</p>	<p>29 Intermediate Tinkercad: Cell Phone Cradle 10–11:30 a.m.</p>
<p>30</p>	<p>31 Beginning Photoshop Elements: Portrait Retouching 10–11 a.m.</p>					