



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

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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; consisting of a programmable circuit board and computer software to write and upload computer code to the physical board.

Arduino – Intermediate

Learn how to use LEDs, buzzers, motors, switches and more. 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.

Coding with Scratch – Beginning

Learn about programming in this beginning coding class using the popular, free online program – Scratch, developed by MIT – to create animations, games and stories.

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.

Final Cut Pro – Beginning

Interested in taking your video editing skills up a notch? Join us for the beginner's class to learn the basics of Final Cut Pro X, the flagship video editing software from Apple.

iMovie – Beginning

Learn the basics of movie editing with iMovie. Make your own movie trailer – create a custom video to share as wedding announcement, birthday party invitation or for a special event.

Photoshop Elements – Beginning

Learn to edit and improve photos using Photoshop Elements. Topics include using quick & guided modes, black & white photo editing and more.

Photoshop Elements & Scanner Demonstration

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.

Photoshop Elements – Intermediate, Collages

Join us for this exciting hands-on class. We will use the layers feature of PSE to create a multi-image photo collage with text titles. Bring your own images on a USB flash drive or use our sample images.

Raspberry Pi – Intermediate, Real-Time Clocks

Real-Time Clocks are what lets your laptop computer or PC keep track of the date and time even when you power them down or remove the battery. Learn to add a real-time clock to a Raspberry Pi and learn why you would want a real-time clock. Recommended Beginning Arduino or Beginning Raspberry Pi class.

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.

Your Memories Preserved

The Exploration HUB offers classes, demos and assistance to help you preserve your memories by converting your photos, slides, negatives, audio, film and video to digital. Classes on editing photos using Photoshop Elements teach how to add text, edit old photos and more.

Exploration HUB Calendar May 2019

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. 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 Your Memories Preserved Beginning Photoshop Elements: Black & White Photo Editing 10–11 a.m. Family Silhouette Cameo: May Day Flower Tote Bag 3:30–5 p.m.</p>	<p>2 Beginning Silhouette Cameo: Baby Onesie 10–11:30 a.m.</p>	<p>3 Beginning Silhouette Cameo: Star Wars Temporary Tattoos 1:30–3 p.m.</p>	<p>4 Star Wars Day Intermediate Arduino: Imperial March 10–11 a.m. Family Beginning Silhouette Cameo: Star Wars Temporary Tattoos 1:30–3 p.m.</p>
<p>5</p>	<p>6 Your Memories Preserved–Intro to Digital Conversion: Audio & Video 10–11 a.m. Beginning Silhouette Cameo: Baseball T-Shirt 1:30–3 p.m.</p>	<p>7 Beginning Coding with Scratch 10–11 a.m.</p>	<p>8 Tween Beginning Silhouette Cameo: T-Shirt 3:30–5 p.m. Beginning Tinkercad: Rose Pencil Topper 6–7 p.m.</p>	<p>9 Beginning Silhouette Cameo: Vacation Fund Savings Bag 1:30–3 p.m. Family Beginning Coding with Scratch 6:30–7:30 p.m.</p>	<p>10 Beginning iMovie 10:30–11:30 a.m. Beginning Silhouette Cameo: Mother's Day Pop-up Card 2–3:30 p.m.</p>	<p>11 Family Beginning Silhouette Cameo: Mother's Day Pop-up Card 2–3:30 p.m.</p>
<p>12 Family Beginning Arduino 1:30–2:30 p.m. Arduino Club 2:30–3:30 p.m.</p>	<p>13 Beginning Tinkercad: Gardening Tool 2–3 p.m. Your Memories Preserved–Intro to Digital Conversion: Audio & Video 6:30–7:30 p.m.</p>	<p>14 Your Memories Preserved–Intermediate Photoshop Elements: Collages 10–11:30 a.m.</p>	<p>15 Beginning Silhouette Cameo: Travel Notebook 10–11 a.m. Family Beginning Arduino 6–7 p.m.</p>	<p>16 Your Memories Preserved–Scanner & Photoshop Elements Demo 10–11 a.m. Family Intermediate Raspberry Pi: Real-Time Clocks 6:30–7:30 p.m.</p>	<p>17 Your Memories Preserved–Beginning Photoshop Elements: Using Quick & Guided Modes 10:30–11:30 a.m.</p>	<p>18 Family Silhouette Cameo: Beach Backpack 10–11:30 a.m.</p>
<p>19</p>	<p>20 Your Memories Preserved–Scanner & Photoshop Elements Demo 10–11 a.m. Beginning Silhouette Cameo: Favorite Animal Window Cling 1:30–3 p.m.</p>	<p>21 Your Memories Preserved–Intermediate Photoshop Elements: Collages 10–11:30 a.m. Beginning Silhouette Cameo: Beach Bag 6–7:30 p.m.</p>	<p>22 Tween Beginning Silhouette Cameo: Candy Bar Wrapper 3:30–5 p.m.</p>	<p>23 Beginning Silhouette Cameo: Baby Bibs 1:30–3 p.m. Beginning iMovie: Make Your Own Movie Trailer 6:30–8 p.m.</p>	<p>24 Beginning Silhouette Cameo: Custom Kitchen Towel 10–11:30 a.m.</p>	<p>25 Beginning iMovie 2–3 p.m.</p>
<p>26 Beginning Silhouette Cameo: Barbeque Apron 1:30–3 p.m.</p>	<p>27 All Carlsbad City Libraries Closed</p>	<p>28</p>	<p>29 Your Memories Preserved–Beginning Photoshop Elements: Add Text to Photos 12–1 p.m. Family Beginning Silhouette Cameo: Baseball Pennant 6–7:30 p.m.</p>	<p>30 Beginning iMovie 12–1 p.m.</p>	<p>31 Beginning Tinkercad 11–12</p>	