



# Smithsonian Associates

## Butane Micro Torch 101 for Jewelers

with Mïa Vollkommer

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I'm looking forward to meeting you in the Butane Torch class. The links below are to some of the vendors that I trust online. **A kit (\$60 plus USPS 2-3 day priority shipping) with all the wire needed for the class will be available on my website 3 weeks prior to the start date.** That link is below, along with all the items in the kit if you prefer to purchase them for yourself. Please don't hesitate to contact me with any questions regarding this list.

Quantity	Item/Tool	Link to Supplier
1	<b>Micro Butane Torch</b> Note: You can also sometimes find these at cigar/tobacco shops. I prefer the smaller nozzles that are pictured in the links, however a "crème brulee" torch from a kitchen supply store will work as well.	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1	<b>Butane</b> Note: Due to its hazardous nature, shipping costs can increase when purchasing fuel online. For a more hassle-free option, you can check your local hardware store, kitchen supply store, or cigar/tobacco shop. It's best to have your torch on hand so you can be sure that the fuel you buy has a nozzle that will work with the torch's valve.	<a href="#">Rio Grande</a> <a href="#">Lowe's</a>
1	<b>Solderite Board (soft) – 6" x 6"</b>	<a href="#">Rio Grande</a> <a href="#">Amazon</a>

1	<b>Tweezers</b> These are the same as those I recommend as pearl knotting tweezers. The ends will blacken in the torch flame, but I've never had a problem using them for knotting afterwards.	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1	<b>Chain Nose Pliers</b> Note: the linked pliers (chain nose and round) are student/economy grade. Please feel free to spend as much as your budget will allow, but even at the low price point these tools will do the trick.	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1	<b>Round Nose Pliers</b>	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1	<b>Flush/Semi-Flush Cutters</b>	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1	<b>Chasing Hammer</b>	<a href="#">Rio Grande - smooth face</a> <a href="#">Fire Mountain Gems - convex face</a>
1	<b>Plastic Mallet</b>	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1	<b>Steel Block</b>	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
	<b>Various Beads</b>	These can be added to your designs (like earrings, or a pendant to go with the chain we'll be making), but the projects can be completed without beads as well.
	<b>Additional Safety Items from Around the Home</b>	<ul style="list-style-type: none"> <li>• Baking/Cookie sheet (9x12)</li> <li>• Small (4x5"-ish) heat safe dish (to hold water). Rectangular or square shaped is ideal.</li> <li>• Natural fiber hand towel (not paper towels)</li> <li>• Please wear cotton or other natural fiber clothing and closed toed shoes.</li> <li>• Safety glasses/eye covering.</li> <li>• Something to tie back long hair (if needed)</li> </ul>
	<b>Class Kit</b> <a href="http://www.shop2dots.com">www.shop2dots.com</a>	Includes: <ul style="list-style-type: none"> <li>• 16 and 20g fine silver wire</li> <li>• 16 and 20g sterling silver wire</li> <li>• Polishing Pad</li> <li>• ½ sheet 400 grit Sandpaper</li> <li>• Length of 1/2 "dowel – mandrel for chain making</li> </ul>
	OR	

2ft. 6ft.	20g Fine Silver Wire 16g Fine Silver Wire Round/Dead Soft	<a href="#">Rio Grande</a>
18in. 18in.	20g Sterling Silver Wire 16g Sterling Silver Wire Round/Half Hard	<a href="#">Rio Grande</a>
1	Polishing Pad	<a href="#">Rio Grande</a> <a href="#">Fire Mountain Gems</a>
1 sheet	220-400 grit sandpaper	<a href="#">Lowes</a>
1 3-4in piece	1/2" dowel or equivalent	<a href="#">Lowes</a> <a href="#">Michaels</a>