

LCF – Soldering and Ring Making

Please circle day: MON TUES WED THURS FRI	Name: Soldering and ring making	Group/number (s):
Date: TBC	Project Title: Soldering and ring making	Site: East Bank
<p>Description of Activities and Times:</p> <p>Lesson 1 (am)</p> <p>9:30 – 9:45 PowerPoint presentation on soldering and Q&A</p> <p>09:45 – 10:00 Demonstration 1 making a ring out of wire: Shaping, cutting, soldering, filling and texturing.</p> <p>10:00 – 10:45 Students to make a ring with wire marking, shaping and soldering.</p> <p>10:45 – 11:00 Demonstration 2 making a ring out of sheet: Measuring finger, calculating ring circumference, marking the strip with an engineer's square, cut in the guillotine, anneal and repeat the previous steps outlined above.</p> <p>11:00 - 11:20 Break</p> <p>11:20 –12:15 Students to make a ring out of sheet and repeat the steps above.</p> <p>12:15 -12:30 Tidy up workshop and Show and Tell</p> <p>Lesson 2 (pm)</p> <p>13:30 – 13:45 PowerPoint presentation on soldering and Q&A</p> <p>13:45 – 14:00 Demonstration 1 making a ring out of wire: Shaping, cutting, soldering, filling and texturing.</p> <p>14:00 – 14:45 Students to make a ring with wire marking, shaping and soldering.</p> <p>14:45 – 15:00 Demonstration 2 making a ring out of sheet: Measuring finger, calculating ring circumference, marking the strip with an engineer's square, cut in the guillotine, anneal and repeat the previous steps outlined above.</p> <p>15:00 – 15:20 Break</p> <p>15:20 – 16:15 Students to make a ring out of sheet and repeat the steps above.</p> <p>16:15 – 16:30 Tidy up workshop and Show and Tell</p>		<p>Materials and Resources:</p> <p>Pre class homework – Send out link to Y1 students with Link to Soldering SharePoint and toolkit reminder.</p> <p>Advise students to watch the how to make it video.</p> <p>On board</p> <p>Information on -Soldering -Making a ring</p> <p>Have samples on table</p> <p>Prep</p> <p>Set up soldering benches. Metal prepared and samples in Soldering core skills box. Hard solder. Solder picks and tweezers. Borax. Ring mandrils/triblet. Ring sizers Raw Hyde mallets. Snips Engineers square. Half round plyers. Parallel plyers. Files. Square. Ring sizers.</p> <p>Guillotine on wheels to be brought into the room.</p>

