Modern Sound Production

The Human Voice -
*Tissue in the throat (the vocal chords), engaged by muscles in the throat and set in motion by ones breath sets the air (from the throat to the nasal cavity and mouth) in motion which in turn sets the air around the person in motion, thus creating the sound.*

table:

<table>
<thead>
<tr>
<th>Gender/Child</th>
<th>Voice Type</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female/Child</td>
<td>soprano (highest)</td>
<td><a href="http://www.youtube.com/watch?v=cFJJ1zFBWgY">video</a> (1st minute)</td>
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<tr>
<td></td>
<td>mezzo-soprano (medium)</td>
<td><a href="http://www.youtube.com/watch?v=M9A7sqLm9Fc">video</a></td>
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<tr>
<td></td>
<td>alto/contralto (low)</td>
<td><a href="http://www.youtube.com/watch?v=DdsVfbm5hbQ">video</a></td>
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<tr>
<td>Male</td>
<td>counter-tenor (very high)</td>
<td><a href="http://www.youtube.com/watch?v=N7XH-58eB8c">video</a> (start at 0:42)</td>
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<tr>
<td></td>
<td>tenor (high)</td>
<td><a href="https://www.youtube.com/watch?v=xsp1oEvuGg">video</a></td>
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<tr>
<td></td>
<td>baritone (medium)</td>
<td><a href="http://www.youtube.com/watch?v=OfgQMZBfbU">video</a></td>
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<tr>
<td></td>
<td>bass (low)</td>
<td><a href="http://www.youtube.com/watch?v=kW4I0EFYoI">video</a></td>
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</tbody>
</table>

String Instruments -
*String(s) set into motion by plucking, bowing, or striking sets a resonating body (thin wood) into motion which in turn sets the air around it in motion, thus creating the sound.*

- **bowed** (and plucked-pizzicato)
  
  - violin [video](http://www.youtube.com/watch?v=MZbr1I2Eqwo)
  - viola [video](http://www.youtube.com/watch?v=zovaUACjMoQ)
  - violoncello (cello) [video](http://www.youtube.com/watch?v=wk8QNzkzwYg)
  - contrabass (bass, string bass, double bass) [video](http://www.youtube.com/watch?v=j-XvDYhhfKY)

- **plucked** (with the fingers or with a pick or plectrum)
  
  - harp [video](http://www.youtube.com/watch?v=nzhyb6u0U6Q)
  - guitar [video](http://www.youtube.com/watch?v=olW6-jhSgMg)
  - lute [video](http://www.youtube.com/watch?v=nA_MbxTWUwMw)
  - harpsichord [video](http://www.youtube.com/watch?v=sePM8KkNvK4)
  - zither [video](http://www.youtube.com/watch?v=urr-q4w1jPU)
  - koto [video](https://www.youtube.com/watch?v=ImvP59w6W1Y)

- **struck**
  
  - fortepiano (wooden frame) [video](https://www.youtube.com/watch?v=8tS5S6OrhX8) (start at 0:38)
  - pianoforte (piano – cast iron frame) [video](http://www.youtube.com/watch?v=tPpyYrhMp4) (start at 0:40)
  - clavichord [video](http://www.youtube.com/watch?v=QGb7z5lPjxY)