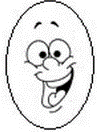
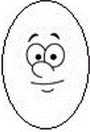
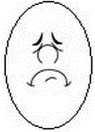
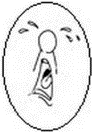
STEM Challenge Rubric w/ Checkpoint

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Level 4**  **100% A+**    Exceeds expectations because | **Level 3**  **90% A-/B+**    Meets  expectations  because | **Level 2**  **80% B**    Shows progress  because | **Level 1**  **75% C**    Shows need for improvement because | **Level 0**  **0%-60% F**    Missing or incomplete |
| **Design** | ● considers multiple solutions and chooses the best  ● clear & detailed | ● considers smaller parts of the problem  ● clearly communicates the design | ● does not consider all parts of the problem  ● could communicate more clearly with labels and detail | ● the primary problem is not addressed  ● does not communicate design well | Missing or incomplete |
| **Testing** | ● went beyond criteria and constraints  ● best in class competition | ● prototype achieved the criteria and constraints | ● prototype *almost* achieved the criteria and constraints | ● prototype did not achieve the criteria and constraints | Missing or incomplete |
| **Communication** | ● clearly connected data and conclusions  ● suggests modifications | ● shared both *qualitative*  and *quantitative* data  ● shared conclusions based on the data | ● did not share both *qualitative* and *quantitative* data  ● needs to connect data and conclusions | ● shared very little data  ● did not share conclusions based on the results | Missing or incomplete |
| **Line of Learning**  **(LOL)** | ● detail and elaboration | ● summarized what I learned  ● used key vocabulary  ● made clear why this lab was a valuable experience for me | ● summarized what I learned  ● used some key vocabulary  ● could be improved with detail | ● described what I did but did not clearly explain what I learned from the lab | Missing or incomplete |
| **Collaboration** | ● encouraged the success of the entire team  ● scholarly discussion  ● clear evidence of the focus skill(s)  ● area left perfect | ● on task, safe, and following, procedures at *all* times  ● contributed to the success of *all* team members  ● thoughtful discussion, area left clean | ● on task, safe, and following procedures *most* times  ● contributed to the success of the group  ● on topic discussion  ● needed reminders to clean area | ● *sometimes* off task or off topic  ● need to put more effort into the success of the group  ● area not clean | ●Unsafe  ● off task  ● disruptive  ● materials mishandled  ● area messy |
| **Checkpoint** | ● thoughtfully completed activity and reviewed work  ● detailed answers to all questions  ● asks next questions | ● correctly completed the activity  ● answered all questions accurately in complete sentences | ● may have rushed or did not follow all directions carefully  ● answered questions accurately, but not in complete sentences | ● did not follow directions carefully  ● did not all answer questions accurately | Missing or incomplete |

images from <http://stevenrsouthard.com/wp-content/uploads/2013/01/facial-expressions-.jpg>