## S.T.E.A.M-astic Student project evaluation

1. Which was your favorite theme?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Robot |  |  |  |  |  |  | 45.31\% | 29 |
| 2 | Cylinder Systems |  |  |  | $\square$ |  |  | 6.25\% | 4 |
| 3 | Water |  |  |  |  |  |  | 20.31\% | 13 |
| 4 | Reels |  |  |  |  |  |  | 9.38\% | 6 |
| 5 | Rocks,Stones \& Minerals |  |  |  |  |  |  | 18.75\% | 12 |
| Analysis |  | Mean: | 2.5 | Std. Deviation: | 1.57 | Satisfaction Rate: | 37.5 | answered | 64 |
|  |  | Variance: | 2.47 | Std. Error: | 0.2 |  |  | skipped | 0 |

2. Robots Theme (November)Which was your favorite S.T.E.A.M Activity?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Sinking Ship |  |  |  |  |  |  | 17.19\% | 11 |
| 2 | The Moving Robot |  |  |  |  |  |  | 28.13\% | 18 |
| 3 | Robot Work |  |  |  |  |  |  | 10.94\% | 7 |
| 4 | The Drawing Robot |  |  |  |  |  |  | 25.00\% | 16 |
| 5 | Binary Bracelets |  |  |  |  |  |  | 18.75\% | 12 |
| Analysis |  | Mean: | 3 | Std. Deviation: | 1.4 | Satisfaction Rate: | 50 | answered | 64 |
|  |  | Variance: | 1.97 | Std. Error: | 0.18 |  |  | skipped | 0 |

3. Cylinder Systems Theme (December)Which was your favorite S.T.E.A.M Activity?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Cylinder Systems Experiment |  |  |  |  |  |  | 7.81\% | 5 |
| 2 | What about Pixels? |  |  |  |  |  |  | 14.06\% | 9 |
| 3 | Let's Build a Car |  |  |  |  |  |  | 23.44\% | 15 |
| 4 | Kaleidoscope |  |  |  |  |  |  | 18.75\% | 12 |
| 5 | Christmas ornaments made from Toilet rolls |  |  |  |  |  |  | 15.63\% | 10 |
| 6 | Treasure Hunt for Cylinders |  |  |  |  |  |  | 20.31\% | 13 |
| Analysis |  | Mean: | 3.81 | Std. Deviation: | 1.56 | Satisfaction Rate: | 56.25 | answered | 64 |
|  |  | Variance: | 2.43 | Std. Error: | 0.19 |  |  | skipped | 0 |

4. Water Theme (January)Which was your favorite S.T.E.A.M Activity?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Water | Transporta | ation |  |  |  |  | 14.29\% | 9 |
| 2 | Will it Float or Will it Sink? |  |  |  |  |  |  | 26.98\% | 17 |
| 3 | Compare Waters |  |  |  |  |  |  | 4.76\% | 3 |
| 4 | Archimedes Screw |  |  |  |  |  |  | 14.29\% | 9 |
| 5 | Let's Make a Liquid Rainbow |  |  |  |  |  |  | 34.92\% | 22 |
| 6 | Exploring Volume |  |  |  |  |  |  | 4.76\% | 3 |
| Analysis |  | Mean: | 3.43 | Std. Deviation: | 1.62 | Satisfaction Rate: | 48.57 | answered | 63 |
|  |  | Variance: | 2.63 | Std. Error: | 0.2 |  |  | skipped | 1 |

5. Reels Theme (February)Which was your favorite S.T.E.A.M Activity?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Strength and movement |  |  |  |  |  |  | 14.52\% | 9 |
| 2 | Learning about symmetry of shapes |  |  |  |  |  |  | 17.74\% | 11 |
| 3 | Cotton reel cars |  |  |  |  |  |  | 17.74\% | 11 |
| 4 | Reel Press |  |  |  |  |  |  | 11.29\% | 7 |
| 5 | Threading Reel Art |  |  |  |  |  |  | 38.71\% | 24 |
| Analysis |  | Mean: | 3.42 | Std. Deviation: | 1.5 | Satisfaction Rate: | 60.48 | answered | 62 |
|  |  | Variance: | 2.24 | Std. Error: | 0.19 |  |  | skipped | 2 |

6. Rocks, Stones \& Minerals Theme (March)Which was your favorite S.T.E.A.M Activity?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Makin | Crystals |  |  |  |  |  | 28.33\% | 17 |
| 2 | Let's make a clock with stones |  |  |  |  |  |  | 30.00\% | 18 |
| 3 | Landmark Heritage |  |  |  |  |  |  | 3.33\% | 2 |
| 4 | Stone Painting |  |  |  |  |  |  | 31.67\% | 19 |
| 5 | Stones Maths |  |  |  |  |  |  | 6.67\% | 4 |
| Analysis |  | Mean: | 2.58 | Std. Deviation: | 1.36 | Satisfaction Rate: | 39.58 | answered | 60 |
|  |  | Variance: | 1.84 | Std. Error: | 0.18 |  |  | skipped | 4 |

7. COVID-19 Activities In April most schools were on lock-down. What activity did you try at home that is related to S.T.E.A.M education?

8. COVID-19 Activities In April most schools were on lock-down. What activity did you try at home that is related to S.T.E.A.M education?

|  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: |
| 23 | $\begin{gathered} \text { 12/05/2020 16:18 PM } \\ \text { ID: } 140871884 \end{gathered}$ | İplik makarası sanatı |  |  |
| 24 | 12/05/2020 17:19 PM <br> ID: 140886069 |  |  |  |
| 25 | 12/05/2020 19:42 PM <br> ID: 140930596 | Ziplin, bilmece oyunu. |  |  |
| 26 | $\begin{gathered} \text { 12/05/2020 22:39 PM } \\ \text { ID: } 140951167 \end{gathered}$ | Stones activities tried at home. |  |  |
| 27 | 13/05/2020 10:55 AM <br> ID: 140984215 | We didn't do any activities related to STEAM education. |  |  |
| 28 | 14/05/2020 08:15 AM ID: 141075102 | Tuz kristallesmesi |  |  |
| 29 | 14/05/2020 13:51 PM ID: 141116707 | Muotikó $\mu$ ¢́vúa |  |  |
| 30 | 15/05/2020 08:51 AM ID: 141172659 |  |  |  |
| 31 | $\begin{gathered} \text { 20/05/2020 17:14 PM } \\ \text { ID: } 141651146 \end{gathered}$ | Yes we made alot of games |  |  |
| 32 | $\begin{gathered} \text { 20/05/2020 17:17 PM } \\ \text { ID: } 141651376 \end{gathered}$ | we make crafts |  |  |
| 33 | $\begin{gathered} \text { 20/05/2020 17:17 PM } \\ \text { ID: } 141651475 \end{gathered}$ | crafts and experiments |  |  |
| 34 | $\begin{gathered} \text { 20/05/2020 17:17 PM } \\ \text { ID: } 141651476 \end{gathered}$ | crafts and experiments |  |  |
| 35 | 20/05/2020 17:18 PM <br> ID: 141651563 | science activties and games |  |  |
| 36 | 20/05/2020 17:19 PM <br> ID: 141651649 | craft and stay safe rainbows |  |  |
| 37 | 20/05/2020 17:19 PM ID: 141651707 | rainbows and socks |  |  |
| 38 | $\begin{gathered} \text { 20/05/2020 17:20 PM } \\ \text { ID: } 141651796 \end{gathered}$ | rainbows |  |  |
| 39 | 20/05/2020 17:21 PM <br> ID: 141651853 | it was home safe |  |  |
| 40 | 20/05/2020 17:22 PM <br> ID: 141651932 | clock, games rainbows |  |  |
| 41 | $\begin{gathered} \text { 20/05/2020 17:23 PM } \\ \text { ID: } 141652019 \end{gathered}$ | oyunlar yaptık |  |  |
| 42 | 20/05/2020 17:24 PM ID: 141652101 | gökkuşakları |  |  |
| 43 | $\begin{gathered} \text { 20/05/2020 17:25 PM } \\ \text { ID: } 141652182 \end{gathered}$ | saat yaparız |  |  |
| 44 | $\begin{gathered} \text { 20/05/2020 17:27 PM } \\ \text { ID: } 141652314 \end{gathered}$ | gökkuşağı, bayrak yaptık ve evde kaldık |  |  |
| 45 | 20/05/2020 17:28 PM <br> ID: 141652390 | gökkuşakları |  |  |

7. COVID-19 Activities In April most schools were on lock-down. What activity did you try at home that is related to S.T.E.A.M education?

8. How did you feel working in this eTwinning project? (you can tick more than one)

|  |  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Happy |  |  |  |  |  |  |  | 84.38\% | 54 |
| 2 | Sad |  |  |  |  |  |  |  | 0.00\% | 0 |
| 3 | Proud |  |  |  |  |  |  |  | 23.44\% | 15 |
| 4 | Included |  |  |  |  |  |  |  | 14.06\% | 9 |
| 5 | Boring |  |  |  |  |  |  |  | 0.00\% | 0 |
| 6 | Strange |  |  |  | I |  |  |  | 1.56\% | 1 |
| 7 | Welcome |  |  |  |  |  |  |  | 18.75\% | 12 |
| 8 | Fun |  |  |  |  |  |  |  | 54.69\% | 35 |
| 9 | Creative |  |  |  |  |  |  |  | 64.06\% | 41 |
| 10 | Artistic |  |  |  |  |  |  |  | 28.13\% | 18 |
| 11 | Angry |  |  |  |  |  |  |  | 0.00\% | 0 |
| 12 | Loved |  |  |  |  |  |  |  | 26.56\% | 17 |
| 13 | Other (please specify): |  |  |  |  |  |  |  | 7.81\% | 5 |
| Analysis |  |  | Mean: | 20.67 | Std. Deviation: | 26.63 | Satisfaction Rate: | 145.31 | answered | 64 |
|  |  |  | Variance: | 708.9 | Std. Error: | 3.33 |  |  | skipped | 0 |
| Other (please specify): (5) |  |  |  |  |  |  |  |  |  |  |
|  | $1{ }^{1}$ | $\begin{gathered} \text { 06/05/2020 14:46 PM } \\ \text { ID: } 140261998 \end{gathered}$ |  |  | I was a scientist |  |  |  |  |  |
|  | 2 | $\begin{gathered} \text { 06/05/2020 18:33 PM } \\ \text { ID: } 140298918 \end{gathered}$ |  |  | Very happy |  |  |  |  |  |
|  | 06/05/2020 19:53 PM <br> ID: 140303790 |  |  |  | Üretken |  |  |  |  |  |
|  | $\begin{gathered} \text { 12/05/2020 16:18 PM } \\ \text { ID: } 140871884 \end{gathered}$ |  |  |  | Efsane |  |  |  |  |  |
|  | $\begin{gathered} \text { 20/05/2020 17:14 PM } \\ \text { ID: } 141651146 \end{gathered}$ |  |  |  | good |  |  |  |  |  |

## 9. Did you enjoy doing this project?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Yes |  |  |  |  |  |  | 95.31\% | 61 |
| 2 | No |  |  |  |  |  |  | 0.00\% | 0 |
| 3 | I don't know |  |  |  |  |  |  | 1.56\% | 1 |
| 4 | Maybe |  |  |  | I |  |  | 3.13\% | 2 |
| Analysis |  | Mean: | 1.12 | Std. Deviation: | 0.57 | Satisfaction Rate: | 4.17 | answered | 64 |
|  |  | Variance: | 0.33 | Std. Error: | 0.07 |  |  | skipped | 0 |

10. Do you want to do this project again next year?

|  |  |  |  |  |  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Yes |  |  |  |  |  |  | 79.37\% | 50 |
| 2 | No |  |  |  | $7$ |  |  | 4.76\% | 3 |
| 3 | Maybe |  |  |  |  |  |  | 12.70\% | 8 |
| 4 | I don't know |  |  |  |  |  |  | 3.17\% | 2 |
| Analysis |  | Mean: | 1.4 | Std. Deviation: | 0.83 | Satisfaction Rate: | 13.23 | answered | 63 |
|  |  | Variance: | 0.68 | Std. Error: | 0.1 |  |  | skipped | 1 |

11. Any comments?

12. Any comments?

|  |  |  | Response Percent | Response Total |
| :---: | :---: | :---: | :---: | :---: |
| 9 | $\begin{gathered} \text { 16/05/2020 20:16 PM } \\ \text { ID: } 141286794 \end{gathered}$ | We really loved this project even though we missed some of the activities due to illness. We are really looking forward to doing such activities next year! Stay safe everyone.. |  |  |
| 10 | $\begin{gathered} \text { 20/05/2020 17:14 PM } \\ \text { ID: } 141651146 \end{gathered}$ | very love |  |  |
| 11 | $\begin{gathered} \text { 20/05/2020 17:22 PM } \\ \text { ID: } 141651932 \end{gathered}$ | like it |  |  |
| 12 | $\begin{gathered} \text { 20/05/2020 17:27 PM } \\ \text { ID: } 141652314 \end{gathered}$ | Onu seviyoruz |  |  |
|  |  |  | answered | 12 |
|  |  |  | skipped | 52 |

