

Notes

Scholarship Option:

Considering these unprecedented times, we understand it may be hard to obtain the necessary materials. Although most of our materials are common household items, there may be some items that you do not have. If needed, at the beginning of each STEM segment, we will make packages of some uncommon materials that you can pick up at an elementary school (to be determined). For the materials not found in your home or not included in the package, you will have to purchase them on your own accord. We will refund you if you happen to do this! Just email us at stemandgems@stemandbudspa.org with your receipt. This information can be found on the website.

Alternate Activity Option:

We do not want your child to feel left out if they are not able to participate in the activity in the case of materials. Alternate sessions are provided for some of the dates. For alternate activities your child will still go to the same dates, but a different breakout room.

1st-3rd = pink; Fridays

4th-5th = blue; Tuesdays

Science

[1st-3rd Materials](#)

[4th-5th Materials](#)

[Alternate Activity Materials](#)

Session	Date	Grades	Activity/Experiment	Alternate Activity
1	Oct 16 Oct 13	1st - 5th	Chromatography Flowers	
2	Oct 23 Oct 20	1st - 5th	Mug Cake	
3	Oct 30 Oct 27	1st - 5th	Rainbow Density Column	
4	Nov 6 Nov 3	1st - 3rd 4th - 5th	Butterfly Crafting Elephant Toothpaste	Butterfly Crafting
5	Nov 13 Nov 10	1st - 5th	Lip Balm	
6	Nov 20 Nov 17	1st - 5th	Slime	Oobleck

Technology

1st-3rd Materials 4th-5th Materials Alternate Activity Materials

Session	Date	Grades	Activity/Experiment	Alternate Activity
1	Dec 4 Dec 1	1st - 5th	Light Bulb Experiment	
2	Dec 11 Dec 8	1st - 3rd 4th - 5th	Coding - Algorithms + Scratch Coding - Python	
3	Dec 18 Dec 15	1st - 3rd 4th - 5th	Coding - Scratch Coding - Python	
4	Jan 15 Jan 12	1st - 5th	Graphic Design	
5	Jan 22 Jan 19	1st - 5th	Minecraft	
6	Jan 29 Jan 26	1st - 5th	AI/Robotics	

Engineering

1st-3rd Materials 4th-5th Materials Alternate Activity Materials

Session	Date	Grades	Activity/Experiment	Alternate Activity
1	Feb 12 Feb 9	1st - 5th	Architecture + Design	
2	Feb 19 Feb 16	1st - 5th	Paper Structures + Aluminum Foil Boat	
3	Feb 26 Feb 23	1st - 5th	Jewelry	
4	Mar 5 Mar 2	1st - 5th	Candy Structures	

5	Mar 12 Mar 9	1st - 5th	Rocket + Space	
6	Mar 19 Mar 16	1st - 5th	Catapult/Slingshot	

Math

1st-3rd Materials

4th-5th Materials

Alternate Activity Materials

Session	Date	Grades	Activity/Experiment	Alternate Activity
1	Apr 2 Mar 30	1st - 5th	Tessellations	
2	Apr 9 Apr 6	1st - 5th	Graphs	
3	Apr 16 Apr 13	1st - 5th	Mission to the Moon	
4	Apr 23 Apr 20	1st - 5th	Shapes in Drawing + Optical Illusions	