



Ultimate Snowball Fight Fortress

Date: December 20th
Place: Your Child's 5th Grade Classroom
Time: 8:45-10:00 am

Dear Families,

*You are cordially invited to our very first **Ultimate Snowball Fight Fortress STEM Challenge**. In engineering teams, the students will use the STEM design process to build snowball walls for a snowball fight with certain criteria and constraints. You will witness ultimate snowball battles and help the children reflect and revise their designs and plan of attack.*

Be on the lookout for an email from your class parent(s) which will specify what we will need to create our snow walls. In order to prepare and organize, we need the items in advance.

*Feel free to **bring in healthy breakfast items** to munch on while we observe the snowball competitions.*

*(Refer to your **class allergy list** when planning what to bring.)*

Happy Holidays,

5th Grade Teachers

*We invite you to join the fun at home as well.
Every 5th grader will need to build a **snowball launch tool** to attack another snow fortress.*

Due, Wednesday, December 19th

Family Home Activity:

- 1) Use only the materials listed below.
- 2) Build a snowball launch tool that your child will use to test the strength of another group's Ultimate Snowball Wall during a snowball fight.
- 3) Your launch tool will be disqualified if you use materials that are not on the list.
- 4) Encourage your child to research online and plane a design first

Snowball Launch Materials
<ul style="list-style-type: none">● Straws● Tape● Toothpicks● Pipe Cleaners● Rubberbands● Spoons● Popsicle sticks

