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Engineering STEM with Pringles Experienced at Grass Lake School

Left to right: Ivy Gutierrez and Jacob CromwellLinda Lucke

Ann Livermore

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Enrichment students grades 6, 7, and 8th at Grass Lake School have been working with their teacher, Mrs. Linda Lucke, on the Pringles Challenge. What is

the Pringles Challenge? It is an engineering challenge that invites students to create a ring using only the Pringles chips to form a circle without the use of any adhesives, tape or glue. This STEM (Science, Technology, Engineering and Math) challenge was embraced by these students evoking the need for patience and tenacity as they worked to create a perfect sphere that could also be strong. The extra challenge included not eating them as they worked towards the final goal. Students experienced many varying outcomes but several met the challenge. The physics that makes this work is that the sides of the ring get taller, gravity pushes down on the chips causing them to slide down creating friction force on the sides of the chips so that gravity cannot push them down. Give it a try yourself and see if you can make the Pringle Ringle! The new twist on this activity is in progress- students are packing up one chip and sending it through the mail. What is the best way to send a Pringle so that it does not break? Is this possible? We will have to wait and see at Grass Lake School. Enrichment students grades 6, 7, and 8th at Grass Lake School have been working with their teacher, Mrs. Linda Lucke, on the Pringles Challenge. What is the Pringles Challenge? It is an engineering challenge that invites students to create a ring using only the Pringles chips to form a circle without the use of any adhesives, tape or glue. This STEM (Science, Technology, Engineering and Math) challenge was embraced by these students evoking the need for patience and tenacity as they worked to create a perfect sphere that could also be strong. The extra challenge included not eating them as they worked towards the final goal. Students experienced many varying outcomes but several met the challenge. The physics that makes this work is that the sides of the ring get taller, gravity pushes down on the chips causing them to slide down creating friction force on the sides of the chips so that gravity cannot push them down. Give it a try yourself and see if you can make the Pringle Ringle! The new twist on this activity is in progress- students are packing up one chip and sending it through the mail. What is the best way to send a Pringle so that it does not break? Is this possible? We will have to wait and see at Grass Lake School. Enrichment students grades 6, 7, and 8th at Grass Lake School have been

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