Curriculum Units by Fellows of the National Initiative 2017 Volume IV: Chemistry of Cooking

## Rise and Bind: Substituting binders and flours in pancakes

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This is an elementary fourth and fifth grade gifted and talented unit that can easily be adapted for upper elementary science classes. This unit addresses Next Generation Science Standards on Science and Engineering practices.

In this unit, students will learn about the chemical properties of wheat flour and eggs, a traditional binder in pancakes. Students will determine what other flours and binders can be substituted. Learning tasks will include experimenting with binding agents and making a pancake that includes an alternative flour and binder.

(Developed for Gifted and Talented, grades 4-6; recommended for Science, grades 4-8)

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