**Kitchen Recipe Holder**

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**Teacher(s): Terri Kroll**

**Lesson Length**: 3-5 days

**Background/Context:**

 Students will design a recipe holder that can be made in the FAB lab and be used in their home. It may be attached to their cabinets or a standing (on the counter) design.

**Resources and Materials:**

* Design a recipe holder on a FAB lab computer program (I will have to figure out what programs our school has or what would be best for this project)
* Create it on one of the FAB lab 3D printing machines

**Key Terms:**

* recipe holder - something that will hold recipes up
* 3D printer - a FAB lab machine that will create a holder from plastic

**Standards/ “I can” Statements**

* 4C1.a: Develop original solutions, products and services to meet a given need.

I can create a product that will help me/my family hold up recipes while cooking.

* 4C1.a.9.h: Apply past experiences to current problems in developing innovative solutions.

I can use past issues to solve the problem of holding a recipe up in an easy/convenience place and way.

**Career Cluster:**

# Science, Technology, Engineering & Mathematics

**Procedure:**

Introduction/Hook: Have you ever needed a way to hold up your recipe while cooking? Have you ever lost it under supplies/equipment? Today and over the next few days, we will be going to the FAB lab to design and make a way to fix this age-old problem for you and your family as you cook future recipes.

Instruction:

* Walking to the FAB lab.
* Use their computer program to design a recipe holder.
* Create a unique design to fit/help your family as they cook.
* Have the design made on the 3D printer.

Closing: What past experiences went into your project design? How would your family benefit from your design? How will your holder be used? Would you recommend your design to others? I hope you have learned something from this project.

**Assessment:** Students will be required to take their recipe holder home and videotape themselves/their family using it. Then they will show and explain their video in class. (Rubric to be developed later)

**References:**

Google.com

**Attachments:** None

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**Reflection/Notes:** This was hard to put together, with details, since I have never tried this idea/lesson but I hope to work on it more and incorporate it into my Advance Foods class in the future.