

Team Members:
Description of Need:

#	Requirement Type
1	Functionality
2	User
3	Functionality
4	Functionality
5	Physical
6	Functionality
7	Functionality
8	Physical
9	User
10	Cost

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People with tremors sometimes have difficulty filling a spoon and transporting food to the mouth.

Requirement Statement
The device shall prevent the user from touching the gyro.
The user has the ability to easily clean the device.
The user has the ability to eat without spilling food.
The device shall have a long enough handle such that the user is comfortable when using.
The device shall be lightweight.
The device shall be made with food safe materials.
The device shall be compatible with left- and right-handed users.
The device shall not be 3D printed.
The user has to ability to easily transport and carry the device.
The device shall cost under \$20.

Level	Design #1	Design #2	Design #3	Prototype #1	Prototype #2
1	yes	maybe	yes	maybe	yes
1	maybe	yes	yes	maybe	maybe
1	yes	yes	yes	yes	yes
1	yes	yes	maybe	yes	yes
2	maybe	maybe	maybe	yes	yes
2	maybe	yes	yes	yes	yes
2	yes	no	maybe	maybe	yes
2	yes	maybe	no	no	no
3	maybe	maybe	maybe	yes	yes
3	maybe	maybe	maybe	yes	yes

Use sand,
Is t
Spec

Evaluation of Requirement
Is the gyro exposed?
Methods of cleaning, hard to reach places?
small material that can simulate small amounts of food
user's hand gripping entire handle, is grip stable?
<150g?
Materials/design
Simulate use with both hands
Materials/design
specific difficulties with mobility while carrying device?
Cost of materials