Design Challenge Teacher Guide

**Class level**: Grade 9

**Time**: 3 weeks

**Credit**: 2 (or 3?) learning guides or one “unit” of credit in each subject

**Suggested Evaluation**: *curricular content (20%)*, *process (60%),* *final project (20%)*

**SCHEDULE**

1st class (Wed, Oct 24th?):

* **overview** introduction by Baker in library, 4 choices given
* students get a chance to choose their topic, one partner, and they sign up.
* research organizers available for pick up on way out.

 \*\*teachers collaborate next two days and assign pairs to groups of four (to ensure mixed ability groups) and decide on room assignment for each group, according to topic chosen, for next class (Mon).

2nd class (Mon, Oct 29th):

* move to assigned rooms by topic for class discussion (will not be “your” class as groups may be intermixed so will be split amongst teachers)
* **empathy** perspective where students read together an article or watch a video (suggestions/examples provided by Baker) and have a class discussion (or small group work?), have to dig deep to figure out whose voice is not heard, who is most affected, what is the **personal** factor in this issue
\*\*teachers (in pairs? Singles?) will have to decide which topic they want to lead the empathy discussion on but all four choices have to be covered.
* give out research organizers to those who don’t have it yet.

3rd class (Tues, Oct 30th):

* while students are in assigned rooms working/researching, Baker circulates
* reminders on bibliography - referring to inquiry sheet - explains inquiry sheet 2, reminder of consideration given to where math fits in, etc.
\*each student will submit individual inquiry sheet with different sources

4th to 8th class (Wed, Oct 31st – Tues, Nov 6th):

* research and/or design time
* inquiry sheet 1 and 2 continues
* draft submission of ideas and list of needs for design/project

9th class (Wed, Nov 7th):

* research completed and handed in (hopefully!)
* how to do a presentation, rubric and expectations gone over again

10th to 14th (Thurs, Nov 8th – Wed, Nov 14th):

* building/design time
* final sheet and design phase – create!

14th / 15th (Thurs, Nov 15 – Fri, Nov 16th):

* gallery walk/assessment showcase (5 min presentation sharing of design/project
* final evaluation sheet/self-assessment handed in