

## Women in STEM Lesson Plan

Overview: Research women in STEM (specifically space fields) and use this to rewrite Disney songs to teach about the importance of gender equality in the field. Connect to my love for music by recording myself singing my songs and playing ukulele. Use the videos as a basis for an educational program about the need to promote women in STEM, designed for a 1st grade Girl Scout troop. I will also explain that by teaching/learning in a creative way, people can learn more. I will show my videos, create fact sheets about women they can learn about, and help them complete their own creative projects to teach about the person they choose. They can then share with the group to demonstrate the importance of teaching in an engaging way.

### 1. Introduce women in STEM/space program

- They will be learning about space
- Are any of the kids interested in space, future?
- People used to think girls shouldn't be allowed to be involved in science/space
- Not fair
- Introduce Sally Ride
- My goals with songwriting

### 2. Play my songs

### 3. Transition

- Used creativity and imagination to share knowledge
- Students can do the same

#### 4. Introduce project - Fact sheets

- There are many women who have had great contributions to the space program
- Introduce people and read fact sheets
- They can use creativity to teach others about them
  - Write a song
  - Draw a picture
  - Write a story
  - Pretend to be the person, think of things they would say/do
  - Anything else you can think of
- Have 15 minutes to come up with your project, then you can share with the group to teach them if you want

#### 5. 15 minute work time, walk around and help -- PHOTOS

#### 6. Share out with the group

#### 7. Conclusion

- Loved to see all your projects
- We can all teach other people about how everybody should have access to opportunity
- These great people were able to make a difference, you can too