Interplanetary Travel Project

1) Setup
   a. Make folders for each group with the instructions, their script, and storyboards.
   b. Students need to check our their materials at the beginning of class and check them back in at the end

2) Day one:
   a. Introduce the Solar System
      i. Diagram parts of the solar system in their logbook
   b. Introduce Project
      i. Students pick a planet randomly from the bucket.
      ii. Groups of 3-4 students
      iii. Students group together by planet
   c. Hand out Solar System Chart to each student
   d. Meet with group and begin research in textbook (if time), have students fill out group paper with names, per., destination, return group paper at end of each period

3) Day two
   a. Handout or post the website list
   b. Begin research
      i. Students will fill in the chart for their planet individually and leave the rest blank.
      ii. Students can work in groups for research
      iii. Students need to figure out how long it will take to get to their planet. Use 40,000 km/hr as average rocket speed. Divide distance between the earth and their planet but 40,000km/hr to get how many hours. Divide by 24 to get days, etc
      iv. Begin writing script for video

Directions written on board:
Research Info:
• Diameter (km)
• Distance from Earth (km) and (AU) and direction towards or away from sun
• Time to get to planet travelling at 40,000 km/hr (hours, days or years)
• Length of 1 revolution (year) in Earth years
• Length of 1 rotation (day) in Earth days or hours
• # of moons
• Origin of Planet name
• General Features – surface, atmosphere, temps, etc.
Script Info:
• Factual and Fun!
• You need to convince us to visit your planet
• Names of group members, per., planet name on top
• Label each line with speaker’s name (everyone must have speaking part)
• # each line of script
• Stage directions in italics
• List required props, costumes, etc. at end
• Save work on desktop – save as Name, per., Planet
• Save work in schoolloop locker and send to all group members

4) Day 3
a. Give students info on Earth for comparison
b. Explain Storyboard, hand out 1 to each team
   Directions written on board:
   • Names, per., planet on top
   • Each square represents a scene
   • Simple drawing in square (stick figures, shapes, etc.)
   • Source of picture – make a picture file for images you plan to use
     in your video, NASA and JPL images are not copywrited
   • Description of scene on lines below square with script line #’s
     indicated
   c. Students compare notes and work on the script for their video.
   d. Script takes approx two days. Could also have them work on
     script and storyboard at the same time.
   e.

5) Day 4
a. Finish storyboard and script
b. Make copies of script for all team members and teacher
c. Practice your script
d. Turn in script and storyboard at end of period (Staple storyboard and
   script to the rubric).
e. Star the rubrics for students who have turned in everything. They
   have permission to film.

6) Day 5 (iMovie Lesson)
a. Go over Flip Cam Tips with students
b. Show students how to upload a video from the camera
c. Students film a script read and practice the following
   i. upload a video from the camera
   ii. add a picture
   iii. add a sound effect
   iv. add a voice over
   v. export their movie

7) Day 6-8
a. Create a sign out chart on the board with team name, computer
   number, camera number, location of filming
b. Students use Flip Cameras to film
Last 10 min. of class period is for uploading footage to Group Event

**Directions written on board:**
- If you have not uploaded any footage
  - Create new event name event with period # and planet name
- If you already have an event on the computer
  - Select “Add to existing event” – choose your group’s event
  - Select “Copy Files” then “Import”
- Keep cameras plugged into the computers between classes to keep them charged

8) Day 9-11
- Go over Editing and Sharing Instructions with students
- Students finish editing video
- Add finishing touches
- Show video to other groups for critic
- Last Edit day – Follow Sharing/Exporting instructions
- Load finished videos on to portable hard drive

9) Day 12-13
- Watch videos in class and fill in solar system chart
- Have students critic videos using rubric from rubistar