

## Acorn Project Status Summary

Attendees—Noah Lloyd, Spencer Wilson, Jackson Clarke, Franck Sokora

- **Goal 1:**

- **Name:** Weekly Devotionals
- **Influence:** Group connectedness, group interaction
- **BYU-Idaho ILO Mission:** Disciple of Jesus Christ
- **Values:** Teaching each other, strengthening our testimonies.
- **Vision:** We will take turns attending the weekly devotionals on campus and discuss what we each learned to strengthen one another's testimony's and become better disciples of Jesus Christ.
- **SMART Goal:**
  - i. **Specific:** We will all attend the devotional each week, and then afterwards, we will get together, and we will teach each other what we have learned, and we talk and discuss together.
  - ii. **Measurable:** it is measurable because we will each be accountable for going to devotional for the week.
  - iii. **Attainable:** This project is attainable because we each will each be accountable for attending the devotional and teaching and discussing what we have learned with each other.
  - iv. **Relevant:** This project relates to the ILO of Disciple of Jesus Christ because we will be learning something spiritual from devotional and teaching what we learned to other members of our group.
  - v. **Timely:** Yes, this project is timely. We will each go to the devotional, which is about one hour, and then we will all come to discussion which will be 15-20 minutes, and which will add up to at least 10 cumulative hours.
- **Milestones:**
  - June 15 devo (**Complete**)
    - Meet at the MC on 6/18 for discussion
  - June 22 devo (**Complete**)
    - Meet at the MC on 6/25 for discussion

- **Goal 2:**

- Name: Python Calculator
- Influence: Connectedness, interaction
- BYU-Idaho ILO Mission: Sound Thinkers
- Values: Effective Communication, Problem-solving, brainstorming, Dividing Responsibilities
- Vision: We will work together to build a 4-function calculator in Python
- SMART Goal:
  - Specific: Our calculator will be divided into various functions. This will allow us to better track our progress on the program.
  - Measurable: The completion of our project will be measured by whether it is able to run successfully
  - Attainable: We all have at least a rudimentary understanding of Python
  - Relevant: The project relates to the ILO because, in order to succeed, we will all need to work together and think critically about how the calculator application will run.
  - Timely: The project will be completed by the end of the semester
  - **Summary:** We will use our basic python knowledge to make a simple calculator
- Milestones:
  - Project outline: complete
  - Write functions for the four basic mathematical functions: complete
  - Implement “running total” functionality: complete
  - Finalize the program: complete

- **Goal 3:**

- **Name:** Going to an escape room
- **Influence:** Connectedness, interaction
- **BYU-Idaho ILO Mission:** Effective Communicator
- **Values:** Communicate clearly, active listening, problem solving
- **Vision:** Our Vision is to complete the escape room within an hour
- **SMART Goal:**
  - Specific: Planning on working on communication as a team by completing an escape room, working on our communication, and working together as a team under pressure to complete the escape room.
  - Measurable: This goal is measurable because we will be researching escape rooms and figuring out a plan to communicate and work together and use team work to complete the escape room
  - Attainable: This acorn project is attainable because it will take us a week to plan and complete the escape room as a team
  - Relevant: This relates to the ILOs because we will have to use effective communication to figure out how to complete and finish the escape room

- Timely: It can be accomplished in 10-12 hours after planning, practicing, and going out and completing the escape room.
- **Milestones:**
  - Each member of the team will play at least thirty minutes of “Room Escape: 50 rooms” **(Complete)**
  - Each group member will read the escape room guide and take notes on it. **(Complete)**
  - Hold a meeting to review what was learned in milestones 1 and 2 **(Complete)**
  - Schedule a time to go to the escape room **(Complete)**
  - Go and complete the escape room at our time slot **(Complete)**
- Goal 4:
  - **Name:** Potato Cannon
  - **Influence:** Group connectedness, group interaction
  - **BYU-Idaho ILO Mission:** Skill Collaborators
  - **Values:** Efficient communication, division of responsibilities, provide and receive constructive criticism.
  - **Vision:** We will effectively divide responsibilities and perform our respective tasks to create a functioning potato cannon
  - **SMART Goal:**
    - **Specific:** We will create a functioning potato cannon by following instructions and working together
    - **Measurable:** Our potato cannon will be able to launch a projectile at least 30 feet
    - **Attainable:** The goal of creating this potato cannon is attainable, as we have access to all the material and information we will need.
    - **Relevant:** Our project is relevant to the ILO of becoming skilled collaborators, as our success will be wholly dependent on our ability to work with one another and follow instructions.
    - **Timely:** We will be able to complete the project by the end of the semester.
  - **Milestones:**
    - Find instructions and part list for potato cannon **(Complete)**
    - Set up date to construct and test potato cannon **(Complete)**
    - Arrive at designated meeting spot **(Complete)**
    - Obtain parts **(Complete)**
    - Construct potato cannon **(Complete)**
    - Test functionality of potato cannon **(Complete)**

## Meeting Minutes

- Agenda -
  - Previous Action Items
    - Study escape room tactics and strategies
    - Download and play the escape room app listed in the workbook
    - Discuss what was learned from the first two bullet points
    - Attempt the escape room
    - Met together and created our fi
  - Return and Report
    - **Goal 1:** We have gotten together to discuss about the devotionals and what we have learned. We discussed while we met together to work on other projects. We have completed this project.
    - **Goal 2:** We met with the professor to propose a new idea for this ILO. Our idea was to code together and make a simple 4 function calculator. We got together and divided up parts and wrote out some functions and the program itself. We tested it, and it works as we had planned to do. We completed this project.
    - **Goal 3:** Completed project.
    - **Goal 4:** We started to buy materials for our coaxial air-cannon. But we could not find some of the parts that were needed to build the air-cannon and it was coming out to be more expensive than we initially thought. We had a proposition to change the project from an air cannon to a much easier potato gun. We got together and put the parts together to create the potato gun. We had a little bit of issues, trying to get a spark. But after some changes, we were able to get a constant spark, and the potato gun launches perfectly.
- Current plans
  - Work together to complete our acorn project presentation
- Lessons Learned
  - During the past couple of weeks, we were able to finish our remaining acorn projects. We encountered some unforeseen issues with our air-cannon but were able to slightly tweak the project and create combustion-based cannon instead. We learned to adapt and make things work with limited resources. As we discussed what we each learned from the 2 devotionals that we viewed, we were able to learn from one another and strengthen our testimony. While completing the python program together, we learned to efficiently divide responsibilities to increase group effectiveness.

- Summary of assigned action items - each team member should have an assignment.
  - All:
    - Work together to finish the acorn projects presentation
    - Work together on accomplishing each goal sets.