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| **TITLE:** |  | | **DURATION:** |
| PROJECT PLANNING INTRODUCTION | | | 90 mins |
| **OBJECTIVES:** | | **RESOURCES REQUIRED** | |
| * List the available components cadets can use * Identify potential projects * Cadets to choose and justify their project * Consider how to manage a project | | * PowerPoint | |
| **SECTION** | **POINTS TO COVER** | | |
| **Introduction:** | * You will choose your project based on your imagination and the equipment we have available | | |
| **Main:** | * List the available components   + Describe how each of them works   + Give examples of how they could be used * Get teams to think of what project they could run   + Consider number of available components   + Teams should justify what they will use   + Encourage them to research roughly how they work before making a decision. * Once teams have made their decision, deliver the project planning brief * Describe what a project is and why they fail * Identify how Scope, Schedule and Resources control how a project is ran (the Iron Triangle) * Discuss Scope and how you can vary it to make a project more challenging or in response to project difficulty * Describe project management models:   + Iterative Model – Split the task into little parts, get the basics working, then expand it   + Waterfall Model – Split the task into distinct phases, do not move onto the next phase until the last one was complete * Discuss team responsibilities * Discuss Metrics and how success will be measured * Describe what to do if things don’t go to plan:   + Don’t try to be perfect, be acceptable first   + Re-evaluate if the scope is too wide   + Adjust the plan if needed – be flexible   + Be aware of scope slowly expanding (scope creep) * Get teams to fill in Sections 1.1, 1.2 and 1.3 of their CREST Workbook | | |
| **Conclusion:** | * Now you are all project managers * Next you will be starting your projects! * Ensure to complete the entire workbook as you go | | |