

# Y1Project 2021: Video Presentation Submission Form for Assessment

1. Select your team's three-letter code \*

☐ A5D

☐ A9F

☐ B5R

☐ B7P

☐ B87

☐ C6O

☐ C98

☐ D5P

☐ D82

☐ E4K

☐ E8B

☐ E95

☐ F4V

☐ F5K

☐ F6I

☐ G4M

☐ H55

- ☐ H6L
- ☐ H76
- ☐ I5L
- ☐ I7C
- ☐ I8N
- ☐ J5B
- ☐ J6V
- ☐ J7S
- ☐ K4E
- ☐ K6T
- ☐ K8H
- ☐ K9G
- ☐ L4C
- ☐ M6P
- ☐ M73
- ☐ M8G
- ☐ M9M
- ☐ N8U
- ☒ P4X
- ☐ P5G
- ☐ P8R
- ☐ P9O
- ☐ Q4O
- ☐ Q6S
- ☐ Q89
- ☐ Q9B

☐ R7O☐ R83☐ R9V☐ S42☐ S8W☐ T4D☐ T7W☐ T9N☐ U4N☐ U6Y☐ V47☐ V56☐ V6U☐ W59☐ W7Y☐ X5S☐ X6W☐ Y5M☐ Y6A☐ Y9T☐ Z54☐ Z6D☐ Z7I☐ Sonstiges

## 2. Description for the Video (same as the Abstract for your Write-Up + any corrections) \*

*Copy over the Abstract from your Written Report; you may reformat this (e.g., for line breaks) or make any corrections as necessary to ensure it is appropriate as the Description for your Video Presentation.*

As a team, we were able to create a radiative forcing model of how global temperatures change with various factors such as land use changes and greenhouse gases. This was achieved by using equations from the most recent IPCC report and other sources, and we used historical data to see if our model would accurately predict the change in temperature for the earth from 1880 to 2020 to make sure our model was valid. By extrapolating trends in the concentration of greenhouse gases since 1960, we were able to predict future temperatures of the planet. We concluded that if we were to carry on emitting at current trends and no action was taken to reduce our impact on the climate, then temperatures would rise by 1.78 above the 14°C temperature anomaly used. Current theory suggests this would lead to severe consequences for both natural ecosystems and human populations in places with extreme weather and temperatures. We also simulated two other scenarios, one where we limit our emissions starting from today and another where we started limiting our emissions back in 1990. The conclusions that we were able to draw from these is that in both cases, temperatures would remain below the levels that would cause the most dramatic

## 3. Title of your video \*

*We expect this to be similar to the title for your Report and the Project itself, but you are free to modify it to suit the tone of your video.*

Are We All Doomed? A Model of Climate Change

## 4. Upload your Video Presentation File, giving it the name "ABC.mp4" etc., replacing the "ABC" with your three-character team code in capitals and numerals, and "mp4" with the original file extension for your video (.mov etc.).

(Nicht anonyme Frage ⓘ) \*

*I'm sorry the form does not allow me to enforce the filename format. Please do ensure that the format above is followed. No "Project .mov" etc. please!*

 P4X.mp4

5. The Video Presentations are the alternative for the College Open Days, where visitors from outside of College would have come to see your presentations in person. In that spirit, we may want to make some videos available to the public, with your team's consent. \*

*We very much hope you will choose the first option!*

- ☒ We do not wish to opt out from allowing those outside of College to be able to see this video
- ☐ We wish to opt out from allowing those outside of College to able to view this video

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