

# CSI Dublin:

## The Hunt for the Irish Potato Killer Checklist

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**Title Page:** (1 page) Make sure you have your **name, course, period and date** on the cover as well as a **picture** in color (or black and white that has been neatly colored with colored pencil.) Have an area on the cover designated with the **Honor Pledge** and your **signature**.

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**Lesson Plan 1: Tracking a Potato Killer.** 1 Mapping Lab (2 pages: 1 page double sided & 1 single sided) Make sure you have completed the **hypothesis, data (*chloropleth map*)** and **analysis/conclusion questions (1-5)** that follow. You may write them neatly or type them separately.

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**Lesson Plan 2: Isolating a Potato Killer.** 1 Isolation Lab (1 page, double sided) Make sure you have completed your **observations** (taking notes on the power point, which is online if you did not take any in class you must have something written here), **hypothesis, data (*sketch from the microscope*)** and **analysis/conclusion questions (1-5)** that follow. You may write them neatly or type them separately.

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**Lesson Plan 3: Profiling a Potato Killer.** 1 Profiling Web quest (2 pages, double sided) Make sure you have completed your **observations (questions 1-5), hypothesis, data (*questions 1-29 and Extra Credit question if you choose*)** and **analysis/conclusion questions (30-35)** that follow. You may write them neatly, there is no need to type these responses unless you choose to do so.

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**Lesson Plan 3: Profiling a Potato Killer.** 1 Personal Narrative (1 page single sided) Make sure to follow the letter format. Your response should be written neatly or typed.

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**Lesson Plan 4: Identifying a Potato Killer.** Three (3) Virtual Investigations  
*DNA Extraction* (1 page single sided **questions 1-10**), *PCR* (1 page double sided **questions 1-15**), *Gel Electrophoresis* (1 page double sided **questions 1-15**) You may write them neatly, there is no need to type these responses unless you choose to do so.

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**Lesson Plan 4: Identifying a Potato Killer.** Two (2) Actual Lab Investigations  
*DNA Extraction & PCR DAY ONE* (1 page double sided, **analysis & conclusion questions 1-5**) and *Gel Electrophoresis DAY TWO* (1 page double sided, **analysis & conclusion questions 1-5**).

Labs should be included but **analysis and conclusion questions must be typed and graphed on a separate sheet of paper**. (Semi-log graph paper is available on my school webpage or online.)

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**Lesson Plan 5: Apprehending Plant Killers.** Planning Pages (1 page double sided with observations, hypothesis, data questions (1-10), and analysis & conclusion questions (1-2) answered. You may write them neatly, there is no need to type these responses unless you choose to do so.

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**Lesson Plan 5: Apprehending Plant Killers.** Plant Pathogen Wanted Poster with a bibliography on the back. It should be typed in ***word or publisher*** (or similar program) with pictures in color (or black and white that has been neatly colored with colored pencil.) It should fit on a standard 8.5" x 11" sheet of paper with the information from your planning pages.

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**Professionalism:** Make sure your project is neatly **bound** with the **honor pledge** signed on the title page. Be aware of **spelling and/or grammatical errors** will cost you points. Portfolio Projects are **due** on \_\_\_\_\_ and **10 points** will be deducted for late projects per day.