CSI Dublin: The Hunt for the Irish Potato Killer Checklist

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.

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.

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.

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.

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.

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.

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.)

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.

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.

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.