**Lesson Title: Hormonal Regulation of Growth**

**Unit: 5**

TEKS: 130.7(C) 11 (c)

OBJECTIVES

The student will be able to:

1. Define hormone action
2. Explain the 5 types of hormone action
3. Know the function and effects of hormones in detail

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Hormonal Regulation of Growth

TEACHING PROCEDURE

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| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| Use this area as an introduction of what will be done to get the students ready to learn.  Consider some of the following:  1. Link – Ask students to shout out any hormones that they know of. Write hormones on the board. Check off when discussed throughout the lecture | Ask questions to students |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Define hormone action   * Definition is found on slide 3. It is importance for students to understand hormone action, because this is how the entire mammal body operates.   Objective 2: Explain the 5 types of hormone action   * Endocrine, neurocine, neuroendocrine, local conveyance, tissue specificity * Students should know how each actions effects the body and what types of hormones can be used   Objective 3: Know the function and effects of hormones in detail   * Hypothalmus, androgens, estrogen, progestin, synthetic hormones, growth hormone, insulin and glucagon, glucocorticoids, catecholamines, thyroid hormones. * Students should know what part of the body these hormones affect and how producers use them to manipulate growth | Power point.  Lecture. |

ENGAGEMENT

Students will have a hand out that they fill out for each hormone. They should be actively taking notes.

EVALUATION

Short Q&A

ADDITIONAL MATERIALS

College & Career Readiness Standards: II.C.1; II.E.7 (Write in the number/letters already crosswalked for your unit)

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