Complete a task analysis for the module content that you will be basing your five technology projects on. You can complete the topic analysis using an outline, table or diagram.

Seizures in Children

A. Epidemiology of seizures
   a. Complications associated with prolonged seizures

B. Identify seizure type based on a description of the event
   a. Simple partial
      i. Focal symptoms
      ii. Maintain consciousness
   b. Generalized Tonic clonic
   c. Simple febrile
   d. Complex febrile
      i. > 5 minutes or multiple episodes without return to baseline
      ii. Focal symptoms
   e. Myoclonic
   f. Absence

C. Evaluation of seizures
   a. Discuss red flags that indicate further evaluation is warranted
   b. Labs
      i. Sodium
      ii. Glucose
      iii. Metabolic-ammonia, urine and plasma amino acids, lactate, pyruvate, LFTs
      iv. Urine toxicology/drug screen
      v. Infectious
         1. CBC
         2. CSF studies- cell count, glucose, protein, culture, HSV
         3. Stool studies-shigella
   c. EEG
   d. Imaging
      i. CT head without contrast to assess for mass or acute bleed
      ii. MRI-

D. Management of status epilepticus
   a. ABCs
      i. Ensure patient has secure airway-
         1. intubate if needed
         2. roll on side to avoid aspiration and allow tongue to move forward
      ii. Ensure adequate ventilation and oxygenation
      iii. Evaluate perfusion- cardiorespiratory monitors, blood pressure
   b. Correct electrolyte abnormalities – sodium, glucose
c. IV Ativan 0.1mg/kg up to 4mh
   i. Intranasal versed
   ii. Rectal diastat

  d. Keppra 20mg/kg

  e. Fosphenytoin 20mg/kg

  f. Secure airway
     i. Pentobarbital
     ii. Propofol

E. Counseling parents on seizure management/care
   a. Never stick anything in mouth
   b. Safe place
   c. Timing/taping event
   d. Use of rectal diastat
   e. Water safety
   f. Driving