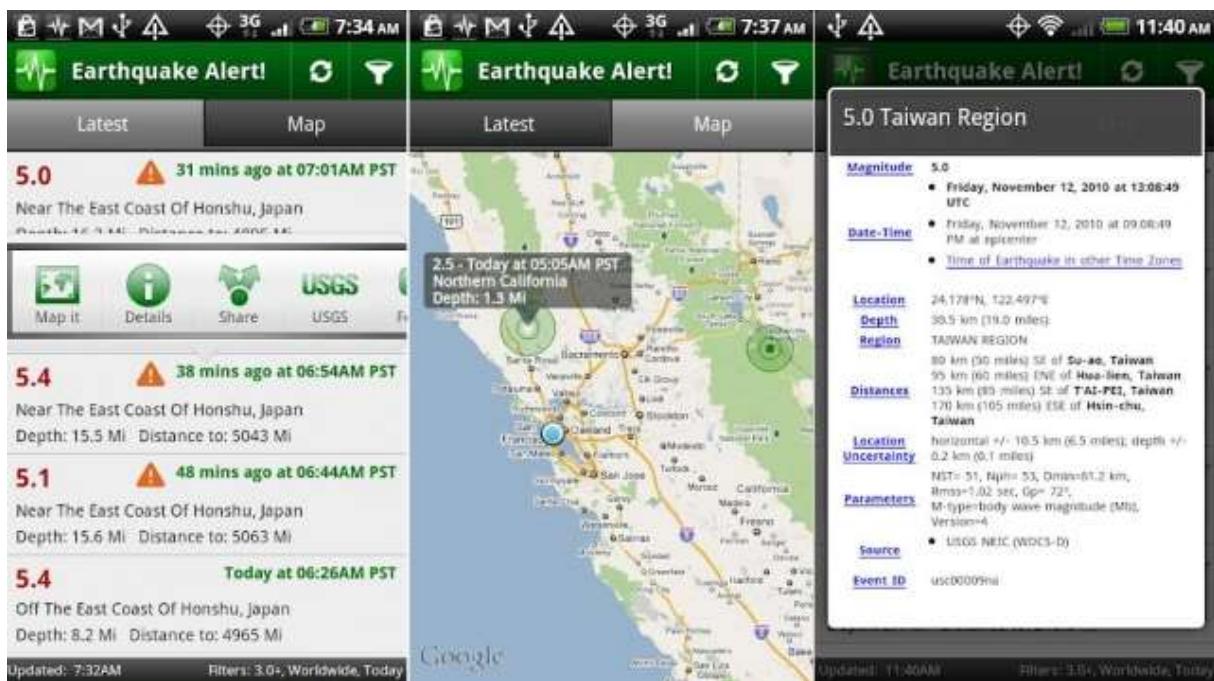


**Plano Comum de Unidade de
Ensino
(Estrutura e conteúdo)**

"Apps4EL – Mobile Applications for Effective Learning"
Erasmus+ KA2 Project number: 2016-1-DE03-KA219-

Nome da escola	Agrupamento de escolas de Sátão
Conteúdos	Seismology and Internal Structure of the Earth
Faixa etária dos alunos	15-17
Cronograma	Week 1 and week 2 (January 2017)
Objetivos	<ol style="list-style-type: none"> 1. To determine earthquake epicenters. 2. To recognize a pattern in the distribution of most earthquakes. 3. Relate the occurrence of earthquakes with tectonic plates movement. distinguir os diferentes tipos de ondas sísmicas. 4. Distinguish different types of seismic waves. 5. Understand the relationship between a type of soil and the vulnerability of buildings to earthquake damage.
Métodos	<p>Group work: pupils will :</p> <ol style="list-style-type: none"> 1. Use <i>Earthquake Alert!</i> app to see the daily distribution of earthquakes and mark their location on a planisphere. 2. Plan and undertake an experiment to investigate the influence of the type of rock on the seismic wave propagation. 3. Research on the features of different types of seismic waves 4. <p>Teste formativo individual na <i>app socrative</i>. Pupils will individually take a formative test on Socrative app</p>
Materiais Aplicações usadas	Worksheet Mobile phone <i>Earthquake Alert!</i> Vibrometer Socrative
Avaliação	Online quiz (<i>Socrative</i>)
Observações	



The most popular seismic activity monitoring app on the Android Play store is called Earthquake Alert! This app weighs well under a megabyte, so it's lightweight and takes close to no space on your device. Earthquake Alert! has an ad banner that's visible at the bottom on one of the three tabs in this app – the news feed. The first tab displays all recent earthquakes and tremors while the second shows the map with all the points of activity on the map. Powerful earthquakes and tremors are marked in red while smaller ones are marked in green. Users can choose to filter quakes by their intensity, distance from you or by time. The app even lets you quickly send the news to others over a few messaging apps. If you felt the tremor, you can register your feedback on it by posting a comment on the USGS site.