## IPC Scope and Sequence 2019 – 2020

| September 3 - 17   Unit 1: Position, Speed, and<br>Acceleration   Calculate Motion<br>Calculate, graph speed   4A     September 18 -<br>October 3   Unit 2: Forces and<br>Momentum   Calculate, graph speed   4A     September 18 -<br>October 3   Unit 2: Forces and<br>Momentum   Changes in motion<br>Relationship between force,<br>mass, acceleration   4A     October 3   Noter - 1 six<br>weeks ends   Unit 3: Potential and Kinetic<br>Energy   Kinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy   4A     October 7 - 18   Unit 4: Thermal Energy<br>November 1   Unit 4: Thermal Energy   5A     October 7 - 18   Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy   5D     November 1   Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy   5D     November 2 - 13   Unit 5: Waves   Characteristics of waves<br>Circuits   5G     November 16 - 20<br>*Note - 20   Unit 7: Energy Resources<br>*Note - 30<br>*Note - 3  | Date                                     | Unit Name                    | Concepts                      | ТЕКЅ                                |
|---|--|------------------------------|-------------------------------|-------------------------------------|
| Processes*<br>Safety*<br>*included in every unit2A, 2B, 2C, 2D, 1ASeptember 3 - 17Unit 1: Position, Speed, and<br>AccelerationCalculate Motion<br>Calculate, graph speed4A<br>4BSeptember 18 -<br>October 3Unit 2: Forces and<br>MomentumChanges in motion<br>Relationship between force,<br>mass, acceleration4DCotober 3Unit 2: Forces and<br>MomentumChanges in motion<br>Relationship between force,<br>mass, acceleration4C<br>4DOctober 3Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy5A<br>5DOctober 7 - 18Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>Thermal energy5AOctober 21 -<br>November 1Unit 4: Thermal Energy<br>Thermal energySaSDNovember 4 - 22<br>November 7Unit 5: WavesCharacteristics of waves<br>CircuitsSGNovember 7Unit 6: ElectricityMagnetic, electric forces<br>CircuitsSCDecember 2 - 13Unit 7: Energy Resources<br>Potential of energy sourcesSCSCDecember 20 - 16 - 00<br>Impact 9Unit 7: Energy Resources<br>Physical properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Changes of states of matter<br>Changes of states of matter<br>Changes of states of matterAA<br>AA<br>AL, BL, C2, AD, ZE, ZA, ZB, ZC, ZD, ZE, ZA, Z   | August 26 -30                            | Introduction                 | Investigations*               |                                     |
| September 3 - 17   Unit 1: Position, Speed, and<br>Acceleration   Calculate Motion<br>Calculate, graph speed   4A     September 18 -<br>October 3   Unit 2: Forces and<br>Momentum   Changes in motion<br>Relationship between force,<br>mass, acceleration   4C     Note - 1* six<br>weeks ends   Unit 3: Potential and Kinetic<br>Energy   Changes in motion<br>Conservation of momentum<br>Gravitational attraction<br>Electrical forces   4C     October 3   Unit 3: Potential and Kinetic<br>Energy   Kinetic Energy<br>Law of conservation of<br>energy   5A     October 7 - 18   Unit 4: Thermal Energy<br>November 1   Unit 4: Thermal Energy   5A     October 4 - 22<br>*Note - 2* six<br>weeks ends<br>November 7   Unit 5: Waves   Characteristics of waves   5G     Inversemer 7   Unit 6: Electricity   Magnetic, electric forces<br>Circuits   5C     December 2 - 13   Unit 7: Energy Resources<br>Circuits   Energy transformations<br>Impact of energy sources   5H     December 20 -<br>Grid of 1-Semester   Unit 7: Energy Resources<br>Circuits   Energy transformations<br>Impact of energy sources   5H     December 20 -<br>Grid of 1-Semester   Unit 8: Properties of Matter<br>Changes of states of matter<br>Changes of states of matter<br>Changes of states of matter   6A  |  |                              | Processes*                    |                                     |
| September 3 – 17   Unit 1: Position, Speed, and<br>Acceleration   Calculate Motion<br>Calculate, graph speed   4A<br>48     September 18 –<br>October 3   Unit 2: Forces and<br>Momentum   Changes in motion<br>Relationship between force,<br>mass, acceleration<br>Conservation of momentum<br>Gravitational attraction<br>Electrical forces   4C<br>40     October 7 – 18   Unit 3: Potential and Kinetic<br>Energy   Kinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy   5A<br>55     October 21 –<br>November 1   Unit 4: Thermal Energy<br>Unit 4: Thermal Energy   Law of conservation of<br>energy   5D     Note – 24 six<br>weeks ends<br>November 7   Unit 5: Waves   Characteristics of waves<br>Crucits   5G     November 1 –<br>November 1 –<br>December 2 - 13   Unit 6: Electricity   Magnetic, electric forces<br>Circuits   5G<br>5F     December 16 – 20<br>Mote – 24 six<br>weeks ends<br>December 20<br>End of 14 Semester<br>Ianuary 8 –<br>February 7   Unit 8: Properties of Matter<br>February 7   Energy transformations<br>Impact of energy sources   5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5H<br>5  |  |                              |                               |                                     |
| AccelerationCalculate, graph speed48September 18 -<br>October 3Unit 2: Forces and<br>MomentumChanges in motion<br>Relationship between force,<br>mass, acceleration<br>Conservation of momentum<br>Gravitational attraction<br>Electrical forces4C<br>4DNote - 1 * six<br>weeks ends<br>October 3Unit 2: Forces and<br>MomentumChanges in motion<br>Relationship between force,<br>mass, acceleration<br>Conservation of momentum<br>Gravitational attraction<br>Electrical forces4C<br>4DOctober 3Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy5A<br>5BOctober 21 -<br>November 1Unit 4: Thermal Energy<br>Unit 4: Thermal Energy<br>Thermal energy<br>Thermal energy5DNovember 4 - 22<br>*Note - 21 * SX<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves<br>Characteristics of waves5C<br>5FNovember 7 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FNovember 7Unit 6: ElectricityMagnetic, electric forces<br>SF5L<br>1A, 2B, 2C, 2D, 2E, 3A, 3B, 3D, 3E,<br>3F,December 2 - 13Unit 7: Energy Resources<br>Energy transformations<br>Enard of 1: Semester<br>Analyze properties of matter<br>Analyze properties of matter<br>Changes of states of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 2B, 3C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,  |  |                              |                               |                                     |
| September 18 –<br>October 3     Unit 2: Forces and<br>Momentum     Changes in motion<br>Relationship between force,<br>mass, acceleration<br>Conservation of momentum<br>Gravitational attraction<br>Electrical forces     4C       October 3     Unit 3: Potential and Kinetic<br>Energy     Kinetic Energy<br>Variational attraction<br>Electrical forces     4E       October 7 – 18     Unit 3: Potential and Kinetic<br>Energy     Kinetic Energy<br>Variational attraction of<br>energy     SA       October 21 –<br>November 1     Unit 4: Thermal Energy<br>Variational energy     SA     SD       October 21 –<br>November 4 – 22     Unit 5: Waves     Characteristics of waves     SG       November 4 – 22     Unit 5: Waves     Characteristics of waves     SG       November 7     Unit 6: Electricity     Magnetic, electric forces<br>Circuits     SC       December 2 - 13     Unit 7: Energy Resources     Energy transformations<br>impact of energy sources     SH       Note – 3rd six<br>weeks ends<br>November 70     Unit 7: Energy Resources     Energy transformations<br>impact of energy sources     SC       Sht<br>Standard 1: Semester     Unit 8: Properties of Matter<br>Changes of states of matter<br>Analyze properties of matter<br>Analyze properties of matter     6A   | September 3 – 17                         | Unit 1: Position, Speed, and | Calculate Motion              | 4A                                  |
| September 18 –<br>October 3     Unit 2: Forces and<br>Momentum     Changes in motion<br>Relationship between force,<br>mass, acceleration<br>Conservation of momentum<br>Gravitational attraction     4C       Momentum     Garavitation of momentum<br>Gravitational attraction     4E       October 3     Unit 3: Potential and Kinetic<br>Energy     Kinetic Energy<br>Potential Energy     5A       October 7 – 18     Unit 3: Potential and Kinetic<br>Energy     Kinetic Energy<br>Potential Energy     5A       October 21 –<br>November 1     Unit 4: Thermal Energy<br>November 4 – 22     Law of conservation of<br>energy<br>Thermal energy     5D       November 4 – 22     Unit 5: Waves     Characteristics of waves     5G       November 7     Unit 6: Electricity     Magnetic, electric forces<br>Circuits     5C       December 2 - 13     Unit 7: Energy Resources     Energy transformations<br>Impact of energy sources     5H       Stote - 2w six<br>weeks ends<br>November 70     Unit 7: Energy Resources     Energy transformations<br>Impact of energy sources     5H       Stote - 3d six<br>weeks ends<br>December 20<br>End of 14 Semester     Unit 8: Properties of Matter<br>Changes of states of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter     6A  |  | Acceleration                 | Calculate, graph speed        | 4B                                  |
| October 3<br>Note - 1 = six<br>weeks ends<br>October 3MomentumRelationship between force,<br>mass, acceleration<br>Gravitational attraction<br>Electrical forces4D0ctober 3Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy5A0ctober 7 - 18Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy5A0ctober 21 -<br>November 1Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy5D0ctober 21 -<br>November 1Unit 5: WavesCharacteristics of waves5G0ctober 21 -<br>November 1Unit 5: WavesCharacteristics of waves5G0ctober 2 - 13Unit 5: ElectricityMagnetic, electric forces<br>Circuits5C0ctoember 2 - 13Unit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H0ctoember 2 - 10Unit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H0ctoember 2 - 10Unit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H0ctoember 20<br>End of 1 SemesterUnit 8: Properties of Matter<br>Changes of states of matter<br>Changes of states of matter<br>Changes of states of matter6A0ctober 3Charster soft matter<br>Changes of states of matter<br>Changes of states of matter6A0ctober 3Charster soft matter<br>Changes of states of matter<br>Changes of states of matter6A0ctober 4Charster soft matter<br>Changes of states of matterCA0ctober 5Charster soft matter<br>Changes of states o  |  |                              |                               |                                     |
| Note - 1* six<br>weeks ends<br>October 3mass, acceleration<br>Conservation of momentum<br>Gravitational attraction<br>Electrical forces4E<br>4F<br>4GOctober 3Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy5A<br>5BOctober 21 -<br>November 1Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy<br>Thermal energy5D<br>5DOctober 21 -<br>November 1Unit 5: WavesCharacteristics of waves<br>SD5GNovember 2Unit 5: WavesCharacteristics of waves<br>Cricuits5GNovember 7Unit 6: ElectricityMagnetic, electric forces<br>Circuits5CDecember 2 - 13Unit 7: Energy Resources<br>Internal energy sources5H<br>SDDecember 16 - 20<br>NoverserUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sourcesSH<br>SI<br>SFDecember 20<br>End of 1' Semester<br>January 8 -<br>February 7Unit 8: Properties of Matter<br>Physical properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>CA<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3E, 3C, 2D, 3E, 3F,<br>2A, 3A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>2A, 3B, 3C, 3D, 3E, 3F,  | •  |                              | -                             |                                     |
| weeks ends<br>October 3     Conservation of momentum<br>Gravitational attraction<br>Electrical forces     4E<br>4F<br>4G       October 7 – 18     Unit 3: Potential and Kinetic<br>Energy     Kinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy     SA<br>5B       October 21 –<br>November 1     Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy     SD       October 21 –<br>November 1     Unit 5: Waves     Characteristics of waves     SG       November 4 – 22<br>*Note – 2* six<br>weeks ends<br>November 7     Unit 5: Waves     Characteristics of waves     SG       December 2 - 13<br>January 8 –<br>February 7     Unit 7: Energy Resources<br>Lint 8: Properties of Matter     Energy ransformations<br>Energy sources     SH<br>SH<br>SH     SH<br>SH<br>SH       December 20<br>End of 1* Semester     Unit 8: Properties of Matter<br>Changes of states of matter     SA<br>SH   | October 3<br>*Note – 1 <sup>st</sup> six | Momentum                     | -                             | 4D                                  |
| Electrical forces4G14, 28, 2C, 2D, 2E, 3A, 3B, 3C, 3E,<br>3F,14, 28, 2C, 2D, 2E, 3A, 3B, 3C, 3E,<br>3F,October 7 - 18Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy<br>Thermal energy5AOctober 21 -<br>November 1Unit 4: Thermal Energy<br>Law of conservation of<br>energy<br>Thermal energy5DNovember 1Unit 4: Thermal Energy<br>Energy<br>Thermal energy5DNovember 4 - 22Unit 5: WavesCharacteristics of waves5G*Note - 2* six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5GDecember 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5CDecember 16 - 20<br>*Note - 20 six<br>weeks ends<br>December 20 End of 1* Semester<br>January 8 -Unit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5HJanuary 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Changes of states of matter6A6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>2A  | weeks ends                               |                              |                               | 4E                                  |
| Image: Constraint of the second sec  | October 3                                |                              | Gravitational attraction      | 4F                                  |
| October 7 - 18Unit 3: Potential and Kinetic<br>EnergyKinetic Energy<br>Potential Energy<br>awo f conservation of<br>energy5A<br>5B<br>3B<br>3COctober 21 -<br>November 1Unit 4: Thermal Energy<br>Unit 4: Thermal Energy<br>Thermal energy<br>Thermal energy<br>Thermal energyLaw of conservation of<br>energy<br>Thermal energy<br>Thermal energy5DNovember 4 - 22<br>November 7Unit 5: WavesCharacteristics of waves<br>Characteristics of waves5GNovember 7Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>SFDecember 2 - 13<br>Note - 3rd six<br>weeks ends<br>December 20<br>End of 1: SemesterUnit 7: Energy Resources<br>Impact of energy sourcesSH<br>SH<br>SHIanuary 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Analyze properties of matterGA<br>GA<br>GA<br>GA<br>Chanes of states of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter  |  |                              | Electrical forces             | 4G                                  |
| October 7 – 18     Unit 3: Potential and Kinetic<br>Energy     Kinetic Energy<br>Potential Energy<br>Law of conservation of<br>energy     5A       October 21 –<br>November 1     Unit 4: Thermal Energy<br>Law of conservation of<br>energy     Law of conservation of<br>energy<br>Thermal energy     5D       November 1     Unit 4: Thermal Energy<br>Thermal energy     Law of conservation of<br>energy<br>Thermal energy     5D       November 4 – 22<br>*Note – 2 <sup>st</sup> six<br>weeks ends<br>November 7     Unit 5: Waves     Characteristics of waves     5G       December 2 - 13     Unit 6: Electricity     Magnetic, electric forces<br>Circuits     5C     5F       December 16 – 20<br>*Note – 3rd six<br>weeks ends<br>December 20<br>End of 1* Semester     Unit 7: Energy Resources     Energy transformations<br>Impact of energy sources     5H       Note – 3rd six<br>weeks ends<br>December 20<br>End of 1* Semester     Unit 8: Properties of Matter     Physical properties of matter<br>Analyze properties of matter<br>Changes of states of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter     6A       6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3E, 3C, 2D, 2E, 3A,  |  |                              |                               |                                     |
| EnergyPotential Energy<br>Law of conservation of<br>energy58<br>50October 21 -<br>November 1Unit 4: Thermal Energy<br>November 1Law of conservation of<br>energy<br>Thermal energy50November 1Unit 4: Thermal Energy<br>Thermal energy<br>Thermal energy50November 2 - 22<br>*Note - 2** six<br>weeks ends<br>December 2 - 13Unit 5: WavesCharacteristics of waves561A, 2B, 2C, 2D, 2E, 3A, 3B, 3C,Characteristics of waves561A, 2B, 2C, 2D, 2E, 3A, 3B, 3C,SoDecember 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits55December 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5HJanuary 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Changes of states of matter<br>Changes of states of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3L   |  |                              |                               |                                     |
| Law of conservation of<br>energy5DOctober 21 -<br>November 1Unit 4: Thermal EnergyLaw of conservation of<br>energy<br>Thermal energy5DNovember 1Unit 4: Thermal Energy<br>Thermal energy<br>Thermal energy5DNovember 4 - 22<br>*Note - 2" six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5GNovember 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5CDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1: SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5HIanuary 8 -<br>February 7Unit 8: Properties of MatterPhysical properties of matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   | October 7 – 18                           |                              |                               |                                     |
| energyenergy1A, 2B, 2C, 2D, 2E, 3A, 3B,October 21 -<br>November 1Unit 4: Thermal EnergyLaw of conservation of<br>energy<br>Thermal energy5D<br>5ENovember 1Unit 4: Thermal Energy1A, 2B, 2C, 2D, 2E, 3A, 3B, 3C,November 4 - 22<br>*Note - 2rd six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5G<br>1A, 2B, 2C, 2D, 2E, 3A, 3B, 3C,December 2 - 13<br>Note - 3rd six<br>weeks ends<br>November 20<br>End of 1* SemesterUnit 6: ElectricityMagnetic, electric forces<br>CircuitsSC<br>5FDecember 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sourcesSH<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,January 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Analyze properties of matter<br>Changes of states of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,  |  | Energy                       |                               |                                     |
| And ConstructionIndext StateIndext Sta  |  |                              |                               | 5D                                  |
| November 1energy<br>Thermal energy<br>Thermal energy<br>Thermal energySENovember 4 - 22<br>*Note - 2° six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of wavesSG*Note - 2° six<br>weeks ends<br>November 7Unit 6: ElectricityMagnetic, electric forces<br>CircuitsSCDecember 2 - 13<br>*Note - 3rd six<br>weeks ends<br>December 16 - 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sourcesSH<br>SI<br>SI<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>SIDecember 20<br>End of 1* Semester<br>January 8 -<br>February 7Unit 8: Properties of Matter<br>Analyze properties of matterGA<br>GB<br>C<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matterGA<br>GC<br>C<br>Analy, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              | 0,                            | 1A, 2B, 2C, 2D, 2E, 3A, 3B,         |
| Thermal energy5ENovember 4 - 22<br>*Note - 2" six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5G*Note - 2" six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5GDecember 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3D, 3E, 3F,December 20<br>End of 1* SemesterUnit 8: Properties of Matter<br>Analyze properties of matter<br>Changes of states of matter<br>Analyze properties of matter6A<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter<br>Analyze properties of matter6A<br>Analyze prop   | October 21 –                             | Unit 4: Thermal Energy       |                               | 5D                                  |
| November 4 - 22<br>*Note - 2 <sup>-41</sup> six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5G<br>1A, 2B, 2C, 2D, 2E, 3A, 3B, 3C,December 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1ª SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1A, 2B, 2C, 2D, 2E, 3A, 3B, 3D, 3E, 3F,<br>5IDanuary 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Changes of states of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,  | November 1                               |                              |                               |                                     |
| November 4 - 22<br>*Note - 2nd six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5G<br>1A, 2B, 2C, 2D, 2E, 3A, 3B,December 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>5IDecember 20<br>End of 1* SemesterUnit 8: Properties of Matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              | memai energy                  |                                     |
| November 4 - 22<br>*Note - 2nd six<br>weeks ends<br>November 7Unit 5: WavesCharacteristics of waves5G<br>1A, 2B, 2C, 2D, 2E, 3A, 3B,December 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>5IDecember 20<br>End of 1* SemesterUnit 8: Properties of Matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              |                               | 1A, 2B, 2C, 2D, 2E, 3A, 3B, 3C,     |
| weeks ends<br>November 7Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>SFDecember 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>SFDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sourcesSH<br>SI<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>Energy transformationsJanuary 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Changes of states of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   | November 4 – 22                          | Unit 5: Waves                | Characteristics of waves      |                                     |
| November 7Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,January 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Chemical properties of matter<br>Changes of states of matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   | *Note – 2 <sup>nd</sup> six              |                              |                               |                                     |
| December 2 - 13Unit 6: ElectricityMagnetic, electric forces<br>Circuits5C<br>5FDecember 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,January 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Chemical properties of matter<br>Changes of states of matter<br>Changes of states of matter<br>Analyze properties of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   | weeks ends                               |                              |                               | 1A, 2B, 2C, 2D, 2E, 3A, 3B,         |
| Circuits5F1A, 2B, 2C, 2D, 2E, 3A, 3B, 3D, 3E,<br>3F,December 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,January 8 -<br>February 7Unit 8: Properties of MatterPhysical properties of matter<br>Chemical properties of matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   | November 7                               |                              |                               |                                     |
| LendLe  | December 2 - 13                          | Unit 6: Electricity          | Magnetic, electric forces     | 5C                                  |
| December 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1* SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>nergy transformations<br>Impact of energy sourcesJanuary 8 -<br>February 7Unit 8: Properties of Matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,  |  |                              | Circuits                      | 5F                                  |
| December 16 - 20<br>*Note - 3rd six<br>weeks ends<br>December 20<br>End of 1*t SemesterUnit 7: Energy ResourcesEnergy transformations<br>Impact of energy sources5H<br>5I<br>1C, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,January 8 -<br>February 7Unit 8: Properties of Matter<br>February 7Physical properties of matter<br>Chemical properties of matter<br>Analyze properties of matter<br>Changes of states of matter6A<br>6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              |                               | 1A, 2B, 2C, 2D, 2E, 3A, 3B, 3D, 3E, |
| *Note – 3rd six<br>weeks ends<br>December 20<br>End of 1st Semester<br>January 8 –<br>February 7<br>Unit 8: Properties of Matter<br>February 7<br>February 7  |  |                              |                               | 3F,                                 |
| weeks ends<br>December 20<br>End of 1 <sup>st</sup> Semester<br>January 8 –<br>February 7<br>Unit 8: Properties of Matter<br>February 7<br>Unit 8: Properties of Matter<br>Chemical properties of matter<br>Analyze properties of matter<br>Changes of states of matter<br>Changes of states of matter<br>Analyze properties of matter<br>Changes of states of matter<br>Analyze properties of matt | December 16 – 20                         | Unit 7: Energy Resources     | Energy transformations        | 5H                                  |
| December 20<br>End of 1*t SemesterIC, 2D, 2E, 3A, 3B, 3C, 3D, 3E, 3F,January 8 -<br>February 7Unit 8: Properties of Matter<br>Chemical properties of matter<br>Analyze properties of matter<br>Changes of states of matter6A6B<br>6C<br>7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   | *Note – 3rd six                          |                              | Impact of energy sources      | 51                                  |
| End of 1st SemesterUnit 8: Properties of MatterPhysical properties of matter6AJanuary 8 -Unit 8: Properties of MatterChemical properties matter6BFebruary 7Analyze properties of matter6CChanges of states of matter7A1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              |                               |                                     |
| January 8 – Unit 8: Properties of Matter<br>February 7 Unit 8: Properties of Matter<br>February 7 Analyze properties of matter<br>Changes of states of matter<br>Changes of states of matter<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              |                               | 10, 20, 21, 3A, 3B, 3C, 3D, 3E, 3F, |
| February 7Chemical properties matter<br>Analyze properties of matter<br>Changes of states of matter6B6C7A1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,  |  | Unit 8: Properties of Matter | Physical properties of matter | 6A                                  |
| Analyze properties of matter6CChanges of states of matter7A1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,  | February 7                               |                              |                               |                                     |
| Changes of states of matter 7A<br>1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              |                               |                                     |
| 1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 3A,   |  |                              |                               |                                     |
|   |  |                              |                               |                                     |
|   |  |                              |                               | 3B,                                 |

| February 10 –<br>March 17<br>*Note – 4th six<br>weeks ends<br>February 13                    | Unit 9: Elements in the<br>Periodic Table | Periodic table   | 6D<br>1A, 1B, 1C, 2B, 2C, 2D, 2E, 3A, 3B                                       |
|--|---|--|--|
| March 18 – 27  | Unit 10: Nuclear Reactions                | Nuclear reactions  | 7E<br>1A, 1B, 1C, 2E, 3A, 3B, 3D, 3E, 3F,                                      |
| March 30 – April<br>24<br>*Note – 5th six<br>weeks ends April 3                              | Unit 11: Solutions                        | Solvents, water<br>Properties of water   | 6E<br>6F<br>1A, 1B, 1C, 2B, 2C, 2D, 2E, 3A, 3B,                                |
| April 27 – May 22  | Unit 12: Chemical Reactions               | Chemical reactions<br>Chemical change and<br>conservation<br>Energy changes<br>Chemical reaction end<br>products | 7B<br>7C<br>7D<br>7F<br>1A, 1B, 1C, 2B, 2C, 2D, 2E, 3A, 3B,<br>3C, 3D, 3E, 3F, |
| May 5<br>May 6<br>May 7<br>May 8   | STAAR EOC State Testing                   | Algebra I<br>Biology<br>U.S. History   |  |
| May 25 – 28<br>*Note – 6th six<br>weeks ends May<br>28<br>End of 2 <sup>nd</sup><br>Semester | Semester Exams                            |  |  |