

THINK! ENERGY Teacher Guide A

Science

Michigan Standards Grades 4-6

Physical

Life

Earth and Space

| Activity Name | Page | Grade | Physical | Life | Earth and Space |
|----------------------------------|------|-------|--|----------------------|-------------------|
| | | | Converting energy | History of the Earth | Earth's resources |
| Pass The Sack | 5 | 4 | | | ESS3-1, ESS3-2 |
| | | 5 | | | ESS3-1 |
| | | 6 | | | ESS3-4 |
| Get a Clue! | 7 | 4 | | | ESS3-1 |
| | | 5 | | | ESS3-1 |
| | | 6 | PS1-2 | | |
| Get Your Motor Running | 11 | 4 | PS3-2, PS3-3, PS3-4 | | |
| | | 5 | PS1-3 | | |
| | | 6 | PS1-6, PS2-3, PS2-5, PS3-1, PS3-2, PS3-3, PS3-4, PS3-5 | | |
| A Bright Idea! | 16 | 4 | PS3-2, PS3-3, PS3-4 | | ESS3-1 |
| | | 5 | | | ESS3-1 |
| | | 6 | PS3-3 | LS2-1 | |
| Where Do Fossil Fuels Come From? | 21 | 4 | | | ESS3-1 |
| | | 5 | PS3-1 | | ESS3-1 |
| | | 6 | | | |
| It's a Wrap! | 23 | 4 | PS3-2 | | |
| | | 5 | PS1-3 | | |
| | | 6 | PS3-3 | | |
| Where's the Water? | 28 | 4 | | | ESS3-1 |
| | | 5 | | | ESS2-2 |
| | | 6 | | | ESS3-4 |
| Go Against the Flow | 30 | 4 | | | |
| | | 5 | | | ESS3-1 |
| | | 6 | | | |
| How Do You Rate? | 32 | 4 | | | ESS3-1 |
| | | 5 | | | ESS3-1 |
| | | 6 | | LS2-1 | ESS3-3 |

| THINK! ENERGY Teacher Guide A | | | Science | Mathematics | Language Arts | |
|--|-------------|--------------|-------------------------------|--|--|---------|
| Michigan Standards Grades 4-6 | | | Engineering Design | Number & Operations Base Ten | Reading Information, Foundation, Speaking and Listening | |
| Activity Name | Page | Grade | Design problems | Multiplying, Dividing, Decimal, Measurements | Reading and Discussion | Writing |
| Pass The Sack | 5 | 4 | ETS1-2 | | R.I.6, R.F.4, SL.1 | |
| | | 5 | ETS1-1, ETS1-2 | | R.I.6, R.F.4, SL.1 | |
| | | 6 | | | R.I.6, SL.1 | |
| Get a Clue! | 7 | 4 | | | R.I.6, R.F.4, SL.1 | W.2 |
| | | 5 | | | R.I.6, R.F.4, SL.1 | W.2 |
| | | 6 | | | R.I.6, SL.1 | W.2 |
| Get Your Motor Running | 11 | 4 | ETS1-1, ETS1-2 | | R.I.6, R.F.4, SL.1 | W.2 |
| | | 5 | ETS1-1, ETS1-2 | | R.I.6, R.F.4, SL.1 | W.2 |
| | | 6 | | | R.I.6, SL.1 | W.2 |
| A Bright Idea! | 16 | 4 | ETS1-1, ETS1-2 | | R.I.6, R.F.4, SL.1 | W.2, 8 |
| | | 5 | ETS1-1, ETS1-2 | | R.I.6, R.F.4, SL.1 | W.2, 8 |
| | | 6 | | | R.I.6, SL.1 | W.2, 8 |
| Where Do Fossil Fuels Come From? | 21 | 4 | | | R.I.6, R.F.4, SL.1 | W.2, 8 |
| | | 5 | | | R.I.6, R.F.4, SL.1 | W.2, 8 |
| | | 6 | | | R.I.6, SL.1 | W.2, 8 |
| It's a Wrap! | 23 | 4 | | OA.3; NBT.4,5; MD.2 | R.I.6, R.F.4, SL.1 | |
| | | 5 | | NBT.5,7 | R.I.6, R.F.4, SL.1 | |
| | | 6 | | NS. 2-3 | R.I.6, SL.1 | |
| Where's the Water? | 28 | 4 | | NBT.4 | R.I.6, R.F.4, SL.1 | W.2 |
| | | 5 | | NBT.5,7 | R.I.6, R.F.4, SL.1 | W.2 |
| | | 6 | | NS. 2-3 | R.I.6, SL.1 | W.2 |
| Go Against the Flow | 30 | 4 | ETS1-1, ETS1-2 | OA.3; NBT.4,5; MD.2 | R.I.6, R.F.4, SL.1 | W.8 |
| | | 5 | ETS1-2 | NBT.5,7 | R.I.6, R.F.4, SL.1 | W.8 |
| | | 6 | ETS1-1 | NS. 2-3 | R.I.6, SL.1 | W.8 |
| How Do You Rate? | 32 | 4 | | NBT.4 | R.I.6, R.F.4, SL.1 | |
| | | 5 | | NBT.5,7 | R.I.6, R.F.4, SL.1 | |
| | | 6 | | NS. 2-3 | R.I.6, SL.1 | |